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Administration

# Petroleum Supply Monthly

with data for August 2016

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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b> .....	<b>271,053</b>	--	--	<b>249,099</b>	<b>8,183</b>	<b>-6,399</b>	<b>514,364</b>	<b>20,370</b>	<b>0</b>	<b>1,178,710</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>105,378</b>	<b>-669</b>	<b>25,668</b>	<b>5,238</b>	--	<b>18,433</b>	<b>13,107</b>	<b>32,838</b>	<b>71,237</b>	<b>248,584</b>
Pentanes Plus .....	14,558	-669	--	953	--	2,388	4,334	6,571	1,549	24,338
Liquefied Petroleum Gases .....	90,820	--	25,668	4,285	--	16,045	8,773	26,267	69,688	224,246
Ethane/Ethylene .....	34,198	--	186	--	--	-3,401	--	3,256	34,529	49,541
Propane/Propylene .....	36,471	--	17,692	3,633	--	8,221	--	20,946	28,629	98,823
Normal Butane/Butylene .....	10,132	--	8,004	390	--	11,043	1,949	1,828	3,706	67,078
Isobutane/Isobutylene .....	10,019	--	-214	262	--	182	6,824	237	2,824	8,804
<b>Other Liquids</b> .....	--	<b>37,253</b>	--	<b>42,125</b>	<b>7,136</b>	<b>-15,617</b>	<b>87,483</b>	<b>14,288</b>	<b>360</b>	<b>315,700</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	37,257	--	3,079	2,306	-348	38,685	4,305	0	27,382
Hydrogen .....	--	--	--	--	6,919	--	6,919	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	2,203	--	425	-472	-147	88	2,215	0	1,092
Renewable Fuels (including Fuel Ethanol) ...	--	35,054	--	2,639	-4,163	-201	31,641	2,090	0	26,276
Fuel Ethanol <sup>5</sup> .....	--	31,669	--	255	-778	-125	29,415	1,856	0	21,042
Renewable Fuels Except Fuel Ethanol .....	--	3,385	--	2,384	-3,385	-76	2,226	234	0	5,234
Other Hydrocarbons .....	--	--	--	15	22	0	37	--	0	14
Unfinished Oils .....	--	--	--	17,021	--	-4,063	15,638	5,083	363	83,994
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-4	--	22,025	4,829	-11,214	33,165	4,899	0	204,308
Reformulated .....	--	--	--	6,442	2,704	-5,500	14,632	14	0	49,464
Conventional .....	--	-4	--	15,583	2,125	-5,714	18,533	4,885	0	154,844
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	8	-5	--	-3	16
<b>Finished Petroleum Products</b> .....	--	<b>113</b>	<b>624,678</b>	<b>23,167</b>	<b>-528</b>	<b>3,921</b>	--	<b>91,048</b>	<b>552,461</b>	<b>319,810</b>
Finished Motor Gasoline .....	--	113	319,330	1,069	-4,051	868	--	18,153	297,439	25,641
Reformulated .....	--	--	103,818	--	-2,718	4	--	--	101,096	48
Conventional .....	--	113	215,512	1,069	-1,333	864	--	18,153	196,343	25,593
Finished Aviation Gasoline .....	--	--	423	2	--	-10	--	--	435	803
Kerosene-Type Jet Fuel .....	--	--	55,469	4,545	--	824	--	6,193	52,997	42,699
Kerosene .....	--	--	498	--	--	50	--	425	23	2,326
Distillate Fuel Oil <sup>5</sup> .....	--	--	153,299	5,072	3,524	3,565	--	37,751	120,579	159,534
15 ppm sulfur and under .....	--	--	144,981	3,268	3,524	2,084	--	32,024	117,665	137,807
Greater than 15 ppm to 500 ppm sulfur .....	--	--	3,310	227	--	453	--	2,949	135	9,490
Greater than 500 ppm sulfur .....	--	--	5,008	1,577	--	1,028	--	2,778	2,779	12,237
Residual Fuel Oil <sup>6</sup> .....	--	--	13,082	8,017	--	1,288	--	9,217	10,594	39,627
Less than 0.31 percent sulfur .....	--	--	1,443	417	--	-262	--	NA	NA	3,480
0.31 to 1.00 percent sulfur .....	--	--	1,430	1,698	--	959	--	NA	NA	5,763
Greater than 1.00 percent sulfur .....	--	--	10,209	5,902	--	591	--	NA	NA	30,378
Petrochemical Feedstocks .....	--	--	8,939	637	--	-433	--	--	10,009	2,929
Naphtha for Petro. Feed. Use .....	--	--	5,759	529	--	-412	--	--	6,700	1,848
Other Oils for Petro. Feed. Use .....	--	--	3,180	108	--	-21	--	--	3,309	1,081
Special Naphthas .....	--	--	1,122	267	--	55	--	--	1,334	1,360
Lubricants .....	--	--	5,435	1,279	--	773	--	2,181	3,760	12,020
Waxes .....	--	--	150	114	--	23	--	126	115	565
Petroleum Coke .....	--	--	29,120	394	--	-42	--	16,268	13,288	5,800
Marketable .....	--	--	21,793	394	--	-42	--	16,268	5,961	5,800
Catalyst .....	--	--	7,327	--	--	--	--	--	7,327	--
Asphalt and Road Oil .....	--	--	12,345	1,770	--	-2,951	--	715	16,351	25,844
Still Gas .....	--	--	22,543	--	--	--	--	--	22,543	--
Miscellaneous Products .....	--	--	2,923	1	--	-89	--	20	2,993	662
<b>Total</b> .....	<b>376,431</b>	<b>36,697</b>	<b>650,346</b>	<b>319,629</b>	<b>14,791</b>	<b>338</b>	<b>614,954</b>	<b>158,545</b>	<b>624,058</b>	<b>2,062,804</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b> .....	<b>2,180,296</b>	<b>--</b>	<b>--</b>	<b>1,920,299</b>	<b>18,475</b>	<b>34,326</b>	<b>3,961,663</b>	<b>122,665</b>	<b>416</b>	<b>1,178,710</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>848,879</b>	<b>-5,215</b>	<b>174,107</b>	<b>38,061</b>	<b>--</b>	<b>51,311</b>	<b>118,056</b>	<b>288,188</b>	<b>598,277</b>	<b>248,584</b>
Pentanes Plus .....	105,229	-5,215	--	2,893	--	3,795	35,748	51,717	11,647	24,338
Liquefied Petroleum Gases .....	743,650	--	174,107	35,168	--	47,516	82,308	236,471	586,630	224,246
Ethane/Ethylene .....	305,375	--	1,015	43	--	15,613	--	21,411	269,409	49,541
Propane/Propylene .....	283,481	--	142,660	29,820	--	2,158	--	188,693	265,110	98,823
Normal Butane/Butylene .....	77,895	--	31,760	2,574	--	29,569	31,162	24,962	26,536	67,078
Isobutane/Isobutylene .....	76,899	--	-1,328	2,731	--	176	51,146	1,405	25,575	8,804
<b>Other Liquids</b> .....	<b>--</b>	<b>283,067</b>	<b>--</b>	<b>321,403</b>	<b>65,017</b>	<b>-195</b>	<b>554,388</b>	<b>123,981</b>	<b>-8,687</b>	<b>315,700</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	283,099	--	14,981	28,415	627	292,117	33,751	0	27,382
Hydrogen .....	--	--	--	--	53,563	--	53,563	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	18,087	--	2,655	-1,893	165	713	17,971	0	1,092
Renewable Fuels (including Fuel Ethanol) ...	--	265,012	--	12,130	-23,364	490	237,508	15,780	0	26,276
Fuel Ethanol <sup>5</sup> .....	--	241,274	--	831	-5,378	-396	222,958	14,165	0	21,042
Renewable Fuels Except Fuel Ethanol .....	--	23,738	--	11,299	-17,986	886	14,550	1,615	0	5,234
Other Hydrocarbons .....	--	--	--	196	109	-28	333	--	0	14
Unfinished Oils .....	--	--	--	145,382	--	1,369	98,127	54,553	-8,667	83,994
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-32	--	161,040	36,602	-2,199	164,132	35,677	0	204,308
Reformulated .....	--	--	--	46,223	39,862	-1,398	87,440	43	0	49,464
Conventional .....	--	-32	--	114,817	-3,260	-801	76,692	35,634	0	154,844
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	8	12	--	-20	16
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>622</b>	<b>4,729,834</b>	<b>180,791</b>	<b>-12,162</b>	<b>-5,320</b>	<b>--</b>	<b>722,155</b>	<b>4,182,250</b>	<b>319,810</b>
Finished Motor Gasoline .....	--	622	2,433,296	15,371	-31,224	-2,812	--	139,986	2,280,891	25,641
Reformulated .....	--	--	791,457	--	-40,897	18	--	--	750,542	48
Conventional .....	--	622	1,641,839	15,371	9,673	-2,830	--	139,986	1,530,349	25,593
Finished Aviation Gasoline .....	--	--	2,654	55	--	-75	--	--	2,784	803
Kerosene-Type Jet Fuel .....	--	--	398,761	36,107	--	2,443	--	42,851	389,574	42,699
Kerosene .....	--	--	3,522	1	--	-253	--	2,648	1,128	2,326
Distillate Fuel Oil <sup>5</sup> .....	--	--	1,171,087	37,420	19,062	-1,207	--	296,305	932,471	159,534
15 ppm sulfur and under .....	--	--	1,096,024	24,764	19,062	945	--	251,476	887,429	137,807
Greater than 15 ppm to 500 ppm sulfur .....	--	--	30,571	973	--	1,114	--	28,431	1,999	9,490
Greater than 500 ppm sulfur .....	--	--	44,492	11,683	--	-3,266	--	16,398	43,043	12,237
Residual Fuel Oil <sup>6</sup> .....	--	--	100,015	58,304	--	-2,562	--	70,863	90,018	39,627
Less than 0.31 percent sulfur .....	--	--	11,210	2,407	--	-741	--	NA	NA	3,480
0.31 to 1.00 percent sulfur .....	--	--	11,689	7,255	--	-115	--	NA	NA	5,763
Greater than 1.00 percent sulfur .....	--	--	77,116	48,642	--	-1,706	--	NA	NA	30,378
Petrochemical Feedstocks .....	--	--	70,592	7,620	--	-331	--	--	78,543	2,929
Naphtha for Petro. Feed. Use .....	--	--	47,463	6,055	--	-228	--	--	53,746	1,848
Other Oils for Petro. Feed. Use .....	--	--	23,129	1,565	--	-103	--	--	24,797	1,081
Special Naphthas .....	--	--	8,507	3,506	--	24	--	--	11,989	1,360
Lubricants .....	--	--	40,286	9,614	--	-1,434	--	18,939	32,395	12,020
Waxes .....	--	--	1,172	1,134	--	-8	--	829	1,485	565
Petroleum Coke .....	--	--	221,626	2,248	--	-253	--	143,991	80,136	5,800
Marketable .....	--	--	164,543	2,248	--	-253	--	143,991	23,053	5,800
Catalyst .....	--	--	57,083	--	--	--	--	--	57,083	--
Asphalt and Road Oil .....	--	--	84,652	9,403	--	1,262	--	5,371	87,422	25,844
Still Gas .....	--	--	171,480	--	--	--	--	--	171,480	--
Miscellaneous Products .....	--	--	22,184	8	--	-114	--	372	21,934	662
<b>Total</b> .....	<b>3,029,175</b>	<b>278,474</b>	<b>4,903,941</b>	<b>2,460,554</b>	<b>71,330</b>	<b>80,122</b>	<b>4,634,107</b>	<b>1,256,988</b>	<b>4,772,257</b>	<b>2,062,804</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>8,744</b>	--	--	<b>8,035</b>	<b>264</b>	<b>-206</b>	<b>16,592</b>	<b>657</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>									
<b>Refinery Gases</b> .....	<b>3,399</b>	<b>-22</b>	<b>828</b>	<b>169</b>	--	<b>595</b>	<b>423</b>	<b>1,059</b>	<b>2,298</b>
Pentanes Plus .....	470	-22	--	31	--	77	140	212	50
Liquefied Petroleum Gases .....	2,930	--	828	138	--	518	283	847	2,248
Ethane/Ethylene .....	1,103	--	6	--	--	-110	--	105	1,114
Propane/Propylene .....	1,176	--	571	117	--	265	--	676	924
Normal Butane/Butylene .....	327	--	258	13	--	356	63	59	120
Isobutane/Isobutylene .....	323	--	-7	8	--	6	220	8	91
<b>Other Liquids</b> .....	--	<b>1,202</b>	--	<b>1,359</b>	<b>230</b>	<b>-504</b>	<b>2,822</b>	<b>461</b>	<b>12</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,202	--	99	74	-11	1,248	139	0
Hydrogen .....	--	--	--	--	223	--	223	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	71	--	14	-15	-5	3	71	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,131	--	85	-134	-6	1,021	67	0
Fuel Ethanol .....	--	1,022	--	8	-25	-4	949	60	0
Renewable Fuels Except Fuel Ethanol .....	--	109	--	77	-109	-2	72	8	0
Other Hydrocarbons .....	--	--	--	0	1	0	1	--	0
Unfinished Oils .....	--	--	--	549	--	-131	504	164	12
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	710	156	-362	1,070	158	0
Reformulated .....	--	--	--	208	87	-177	472	0	0
Conventional .....	--	0	--	503	69	-184	598	158	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>4</b>	<b>20,151</b>	<b>747</b>	<b>-17</b>	<b>126</b>	--	<b>2,937</b>	<b>17,821</b>
Finished Motor Gasoline .....	--	4	10,301	34	-131	28	--	586	9,595
Reformulated .....	--	--	3,349	--	-88	0	--	--	3,261
Conventional .....	--	4	6,952	34	-43	28	--	586	6,334
Finished Aviation Gasoline .....	--	--	14	0	--	0	--	--	14
Kerosene-Type Jet Fuel .....	--	--	1,789	147	--	27	--	200	1,710
Kerosene .....	--	--	16	--	--	2	--	14	1
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,945	164	114	115	--	1,218	3,890
15 ppm sulfur and under .....	--	--	4,677	105	114	67	--	1,033	3,796
Greater than 15 ppm to 500 ppm sulfur .....	--	--	107	7	--	15	--	95	4
Greater than 500 ppm sulfur .....	--	--	162	51	--	33	--	90	90
Residual Fuel Oil <sup>6</sup> .....	--	--	422	259	--	42	--	297	342
Less than 0.31 percent sulfur .....	--	--	47	13	--	-8	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	46	55	--	31	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	329	190	--	19	--	NA	NA
Petrochemical Feedstocks .....	--	--	288	21	--	-14	--	--	323
Naphtha for Petro. Feed. Use .....	--	--	186	17	--	-13	--	--	216
Other Oils for Petro. Feed. Use .....	--	--	103	3	--	-1	--	--	107
Special Naphthas .....	--	--	36	9	--	2	--	--	43
Lubricants .....	--	--	175	41	--	25	--	70	121
Waxes .....	--	--	5	4	--	1	--	4	4
Petroleum Coke .....	--	--	939	13	--	-1	--	525	429
Marketable .....	--	--	703	13	--	-1	--	525	192
Catalyst .....	--	--	236	--	--	--	--	--	236
Asphalt and Road Oil .....	--	--	398	57	--	-95	--	23	527
Still Gas .....	--	--	727	--	--	--	--	--	727
Miscellaneous Products .....	--	--	94	0	--	-3	--	1	97
<b>Total</b> .....	<b>12,143</b>	<b>1,184</b>	<b>20,979</b>	<b>10,311</b>	<b>477</b>	<b>11</b>	<b>19,837</b>	<b>5,114</b>	<b>20,131</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>8,936</b>	--	--	<b>7,870</b>	<b>76</b>	<b>141</b>	<b>16,236</b>	<b>503</b>	<b>2</b>
<b>Natural Gas Plant Liquids and Liquefied</b>									
<b>Refinery Gases</b> .....	<b>3,479</b>	<b>-21</b>	<b>714</b>	<b>156</b>	--	<b>210</b>	<b>484</b>	<b>1,181</b>	<b>2,452</b>
Pentanes Plus .....	431	-21	--	12	--	16	147	212	48
Liquefied Petroleum Gases .....	3,048	--	714	144	--	195	337	969	2,404
Ethane/Ethylene .....	1,252	--	4	0	--	64	--	88	1,104
Propane/Propylene .....	1,162	--	585	122	--	9	--	773	1,087
Normal Butane/Butylene .....	319	--	130	11	--	121	128	102	109
Isobutane/Isobutylene .....	315	--	-5	11	--	1	210	6	105
<b>Other Liquids</b> .....	--	<b>1,160</b>	--	<b>1,317</b>	<b>266</b>	<b>-1</b>	<b>2,272</b>	<b>508</b>	<b>-36</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,160	--	61	116	3	1,197	138	0
Hydrogen .....	--	--	--	--	220	--	220	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	74	--	11	-8	1	3	74	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,086	--	50	-96	2	973	65	0
Fuel Ethanol .....	--	989	--	3	-22	-2	914	58	0
Renewable Fuels Except Fuel Ethanol .....	--	97	--	46	-74	4	60	7	0
Other Hydrocarbons .....	--	--	--	1	0	0	1	--	0
Unfinished Oils .....	--	--	--	596	--	6	402	224	-36
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	660	150	-9	673	146	0
Reformulated .....	--	--	--	189	163	-6	358	0	0
Conventional .....	--	0	--	471	-13	-3	314	146	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>19,385</b>	<b>741</b>	<b>-50</b>	<b>-22</b>	--	<b>2,960</b>	<b>17,140</b>
Finished Motor Gasoline .....	--	3	9,973	63	-128	-12	--	574	9,348
Reformulated .....	--	--	3,244	--	-168	0	--	--	3,076
Conventional .....	--	3	6,729	63	40	-12	--	574	6,272
Finished Aviation Gasoline .....	--	--	11	0	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,634	148	--	10	--	176	1,597
Kerosene .....	--	--	14	0	--	-1	--	11	5
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,800	153	78	-5	--	1,214	3,822
15 ppm sulfur and under .....	--	--	4,492	101	78	4	--	1,031	3,637
Greater than 15 ppm to 500 ppm sulfur .....	--	--	125	4	--	5	--	117	8
Greater than 500 ppm sulfur .....	--	--	182	48	--	-13	--	67	176
Residual Fuel Oil <sup>6</sup> .....	--	--	410	239	--	-11	--	290	369
Less than 0.31 percent sulfur .....	--	--	46	10	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	48	30	--	0	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	316	199	--	-7	--	NA	NA
Petrochemical Feedstocks .....	--	--	289	31	--	-1	--	--	322
Naphtha for Petro. Feed. Use .....	--	--	195	25	--	-1	--	--	220
Other Oils for Petro. Feed. Use .....	--	--	95	6	--	0	--	--	102
Special Naphthas .....	--	--	35	14	--	0	--	--	49
Lubricants .....	--	--	165	39	--	-6	--	78	133
Waxes .....	--	--	5	5	--	0	--	3	6
Petroleum Coke .....	--	--	908	9	--	-1	--	590	328
Marketable .....	--	--	674	9	--	-1	--	590	94
Catalyst .....	--	--	234	--	--	--	--	--	234
Asphalt and Road Oil .....	--	--	347	39	--	5	--	22	358
Still Gas .....	--	--	703	--	--	--	--	--	703
Miscellaneous Products .....	--	--	91	0	--	0	--	2	90
<b>Total</b> .....	<b>12,415</b>	<b>1,141</b>	<b>20,098</b>	<b>10,084</b>	<b>292</b>	<b>328</b>	<b>18,992</b>	<b>5,152</b>	<b>19,558</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>1,381</b>	--	--	<b>27,528</b>	<b>4,999</b>	<b>4,216</b>	<b>-64</b>	<b>34,037</b>	<b>4,152</b>	<b>0</b>	<b>17,615</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>11,928</b>	<b>-17</b>	<b>1,577</b>	<b>1,414</b>	<b>-1,853</b>	--	<b>2,185</b>	<b>710</b>	<b>2,736</b>	<b>7,418</b>	<b>10,050</b>
Pentanes Plus	1,209	-17	--	--	-11	--	55	98	255	773	405
Liquefied Petroleum Gases	10,719	--	1,577	1,414	-1,842	--	2,130	612	2,481	6,645	9,645
Ethane/Ethylene	4,980	--	16	--	-3,707	--	159	--	1,310	-180	388
Propane/Propylene	3,941	--	998	1,319	1,883	--	1,394	--	1,089	5,658	6,643
Normal Butane/Butylene	1,205	--	591	54	-5	--	621	217	82	925	2,427
Isobutane/Isobutylene	593	--	-28	41	-13	--	-44	395	1	241	187
<b>Other Liquids</b>	--	<b>1,022</b>	--	<b>20,010</b>	<b>56,354</b>	<b>5,338</b>	<b>-7,636</b>	<b>90,210</b>	<b>2,286</b>	<b>-2,135</b>	<b>73,618</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	1,025	--	837	10,362	-775	239	11,189	22	0	8,990
Hydrogen	--	--	--	--	--	101	--	101	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	3	--	--	3	0	--
Renewable Fuels (including Fuel Ethanol)	--	1,025	--	837	10,362	-879	239	11,088	18	0	8,990
Fuel Ethanol	--	861	--	--	10,221	-232	89	10,744	17	0	7,212
Renewable Fuels Except Fuel Ethanol	--	164	--	837	141	-647	150	344	1	0	1,778
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,480	-56	--	-159	1,947	1,771	-2,135	5,151
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	17,693	46,048	6,113	-7,716	77,074	493	0	59,477
Reformulated	--	--	--	6,270	9,524	783	-4,005	20,582	0	0	19,223
Conventional	--	-3	--	11,423	36,524	5,330	-3,711	56,492	493	0	40,254
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>124,759</b>	<b>10,536</b>	<b>44,380</b>	<b>-5,241</b>	<b>3,533</b>	--	<b>4,177</b>	<b>166,725</b>	<b>100,441</b>
Finished Motor Gasoline	--	--	104,469	703	6,318	-5,881	539	--	69	105,001	5,599
Reformulated	--	--	41,881	--	--	151	4	--	--	42,028	30
Conventional	--	--	62,588	703	6,318	-6,032	535	--	69	62,972	5,569
Finished Aviation Gasoline	--	--	--	1	372	--	-9	--	--	382	158
Kerosene-Type Jet Fuel	--	--	2,616	1,260	14,532	--	23	--	18	18,367	9,889
Kerosene	--	--	88	--	--	--	156	--	1	-69	1,961
Distillate Fuel Oil <sup>6</sup>	--	--	10,763	3,400	22,392	640	1,999	--	1,813	33,384	64,123
15 ppm sulfur and under	--	--	9,999	2,210	20,471	640	1,335	--	1,285	30,701	51,877
Greater than 15 ppm to 500 ppm sulfur	--	--	213	227	424	--	200	--	528	136	6,515
Greater than 500 ppm sulfur	--	--	551	963	1,497	--	464	--	0	2,547	5,731
Residual Fuel Oil <sup>7</sup>	--	--	1,477	3,566	--	--	1,030	--	1,021	2,992	10,596
Less than 0.31 percent sulfur	--	--	272	417	--	--	-184	--	NA	NA	1,016
0.31 to 1.00 percent sulfur	--	--	164	385	--	--	223	--	NA	NA	2,059
Greater than 1.00 percent sulfur	--	--	1,041	2,764	--	--	991	--	NA	NA	7,521
Petrochemical Feedstocks	--	--	153	1	-18	--	12	--	--	124	155
Naphtha for Petro. Feed. Use	--	--	153	1	--	--	12	--	--	142	155
Other Oils for Petro. Feed. Use	--	--	--	--	-18	--	--	--	--	-18	--
Special Naphthas	--	--	23	--	--	--	0	--	--	23	29
Lubricants	--	--	420	158	341	--	62	--	188	669	1,269
Waxes	--	--	3	73	--	--	8	--	71	-3	289
Petroleum Coke	--	--	1,127	1	--	--	--	--	836	292	--
Marketable	--	--	418	1	--	--	--	--	836	-417	--
Catalyst	--	--	709	--	--	--	--	--	--	709	--
Asphalt and Road Oil	--	--	2,236	1,373	443	--	-290	--	148	4,194	6,338
Still Gas	--	--	1,300	--	--	--	--	--	--	1,300	--
Miscellaneous Products	--	--	84	--	--	--	3	--	13	68	35
<b>Total</b>	<b>13,309</b>	<b>1,005</b>	<b>126,336</b>	<b>59,488</b>	<b>103,880</b>	<b>4,314</b>	<b>-1,982</b>	<b>124,957</b>	<b>13,350</b>	<b>172,007</b>	<b>201,724</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>11,216</b>	--	--	<b>205,604</b>	<b>57,123</b>	<b>38,634</b>	<b>1,441</b>	<b>271,937</b>	<b>39,209</b>	<b>-10</b>	<b>17,615</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>82,913</b>	<b>-115</b>	<b>9,310</b>	<b>11,109</b>	<b>-14,566</b>	--	<b>1,780</b>	<b>6,734</b>	<b>17,230</b>	<b>62,907</b>	<b>10,050</b>
Pentanes Plus	8,655	-115	--	--	1	--	196	835	710	6,800	405
Liquefied Petroleum Gases	74,258	--	9,310	11,109	-14,567	--	1,584	5,899	16,520	56,107	9,645
Ethane/Ethylene	32,109	--	103	43	-29,655	--	270	--	4,836	-2,506	388
Propane/Propylene	28,953	--	8,575	9,994	15,232	--	-80	--	10,286	52,548	6,643
Normal Butane/Butylene	8,901	--	791	295	-40	--	1,399	2,793	1,391	4,364	2,427
Isobutane/Isobutylene	4,295	--	-159	777	-104	--	-5	3,106	8	1,700	187
<b>Other Liquids</b>	--	<b>7,471</b>	--	<b>155,001</b>	<b>432,454</b>	<b>72,087</b>	<b>5,036</b>	<b>661,728</b>	<b>14,053</b>	<b>-13,803</b>	<b>73,618</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	7,495	--	4,278	72,866	819	326	84,448	685	0	8,990
Hydrogen	--	--	--	--	--	813	--	813	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	14	--	--	14	0	--
Renewable Fuels (including Fuel Ethanol)	--	7,495	--	4,273	72,866	-3	326	83,635	670	0	8,990
Fuel Ethanol	--	6,137	--	12	71,698	4,056	-6	81,244	665	0	7,212
Renewable Fuels Except Fuel Ethanol	--	1,358	--	4,261	1,169	-4,060	332	2,391	5	0	1,778
Other Hydrocarbons	--	--	--	5	--	-5	--	--	--	0	--
Unfinished Oils	--	--	--	9,484	-167	--	-326	11,574	11,872	-13,803	5,151
Motor Gasoline Blend. Comp. (MGBC)	--	-24	--	141,239	359,755	71,268	5,036	565,706	1,496	0	59,477
Reformulated	--	--	--	45,656	68,180	27,596	-534	141,962	4	0	19,223
Conventional	--	-24	--	95,583	291,575	43,673	5,570	423,744	1,493	0	40,254
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>942,696</b>	<b>88,415</b>	<b>357,483</b>	<b>-71,503</b>	<b>621</b>	--	<b>35,241</b>	<b>1,281,228</b>	<b>100,441</b>
Finished Motor Gasoline	--	--	788,670	13,939	56,724	-75,325	-239	--	679	783,568	5,599
Reformulated	--	--	316,835	--	44	-20,959	14	--	--	295,906	30
Conventional	--	--	471,835	13,939	56,680	-54,366	-253	--	679	487,662	5,569
Finished Aviation Gasoline	--	--	--	7	2,611	--	17	--	--	2,601	158
Kerosene-Type Jet Fuel	--	--	21,498	14,922	106,546	--	-184	--	381	142,769	9,889
Kerosene	--	--	392	--	--	--	-21	--	256	157	1,961
Distillate Fuel Oil <sup>6</sup>	--	--	82,986	29,883	185,049	3,822	-329	--	18,535	283,534	64,123
15 ppm sulfur and under	--	--	73,041	20,375	168,040	3,822	2,530	--	14,734	248,014	51,877
Greater than 15 ppm to 500 ppm sulfur	--	--	1,924	606	2,087	--	1,311	--	3,170	136	6,515
Greater than 500 ppm sulfur	--	--	8,021	8,902	14,922	--	-4,170	--	631	35,384	5,731
Residual Fuel Oil <sup>7</sup>	--	--	10,961	19,682	77	--	-854	--	7,588	23,986	10,596
Less than 0.31 percent sulfur	--	--	1,660	1,244	-122	--	-586	--	NA	NA	1,016
0.31 to 1.00 percent sulfur	--	--	1,278	2,633	--	--	-568	--	NA	NA	2,059
Greater than 1.00 percent sulfur	--	--	8,023	15,805	199	--	300	--	NA	NA	7,521
Petrochemical Feedstocks	--	--	1,101	33	-151	--	4	--	--	979	155
Naphtha for Petro. Feed. Use	--	--	1,101	20	--	--	4	--	--	1,117	155
Other Oils for Petro. Feed. Use	--	--	--	13	-151	--	--	--	--	-138	--
Special Naphthas	--	--	171	--	--	--	-1	--	--	172	29
Lubricants	--	--	3,218	1,668	4,109	--	59	--	1,588	7,348	1,269
Waxes	--	--	42	519	--	--	-12	--	391	182	289
Petroleum Coke	--	--	8,451	1,327	--	--	--	--	5,059	4,719	--
Marketable	--	--	2,909	1,327	--	--	--	--	5,059	-823	--
Catalyst	--	--	5,542	--	--	--	--	--	--	5,542	--
Asphalt and Road Oil	--	--	14,122	6,435	2,518	--	2,183	--	653	20,239	6,338
Still Gas	--	--	10,443	--	--	--	--	--	--	10,443	--
Miscellaneous Products	--	--	641	--	--	--	-2	--	111	532	35
<b>Total</b>	<b>94,129</b>	<b>7,356</b>	<b>952,006</b>	<b>460,129</b>	<b>832,494</b>	<b>39,218</b>	<b>8,878</b>	<b>940,399</b>	<b>105,734</b>	<b>1,330,322</b>	<b>201,724</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	45	--	--	888	161	136	-2	1,098	134	0
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	385	-1	51	46	-60	--	70	23	88	239
Pentanes Plus .....	39	-1	--	--	0	--	2	3	8	25
Liquefied Petroleum Gases .....	346	--	51	46	-59	--	69	20	80	214
Ethane/Ethylene .....	161	--	1	--	-120	--	5	--	42	-6
Propane/Propylene .....	127	--	32	43	61	--	45	--	35	183
Normal Butane/Butylene .....	39	--	19	2	0	--	20	7	3	30
Isobutane/Isobutylene .....	19	--	-1	1	0	--	-1	13	0	8
<b>Other Liquids</b> .....	--	33	--	645	1,818	172	-246	2,910	74	-69
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	33	--	27	334	-25	8	361	1	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	33	--	27	334	-28	8	358	1	0
Fuel Ethanol .....	--	28	--	--	330	-7	3	347	1	0
Renewable Fuels Except Fuel Ethanol .....	--	5	--	27	5	-21	5	11	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	48	-2	--	-5	63	57	-69
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	571	1,485	197	-249	2,486	16	0
Reformulated .....	--	--	--	202	307	25	-129	664	0	0
Conventional .....	--	0	--	368	1,178	172	-120	1,822	16	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	4,024	340	1,432	-169	114	--	135	5,378
Finished Motor Gasoline .....	--	--	3,370	23	204	-190	17	--	2	3,387
Reformulated .....	--	--	1,351	--	--	5	0	--	--	1,356
Conventional .....	--	--	2,019	23	204	-195	17	--	2	2,031
Finished Aviation Gasoline .....	--	--	--	0	12	--	0	--	--	12
Kerosene-Type Jet Fuel .....	--	--	84	41	469	--	1	--	1	592
Kerosene .....	--	--	3	--	--	--	5	--	0	-2
Distillate Fuel Oil <sup>6</sup> .....	--	--	347	110	722	21	64	--	58	1,077
15 ppm sulfur and under .....	--	--	323	71	660	21	43	--	41	990
Greater than 15 ppm to 500 ppm sulfur .....	--	--	7	7	14	--	6	--	17	4
Greater than 500 ppm sulfur .....	--	--	18	31	48	--	15	--	0	82
Residual Fuel Oil <sup>7</sup> .....	--	--	48	115	--	--	33	--	33	97
Less than 0.31 percent sulfur .....	--	--	9	13	--	--	-6	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	5	12	--	--	7	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	34	89	--	--	32	--	NA	NA
Petrochemical Feedstocks .....	--	--	5	0	-1	--	0	--	--	4
Naphtha for Petro. Feed. Use .....	--	--	5	0	--	--	0	--	--	5
Other Oils for Petro. Feed. Use .....	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	14	5	11	--	2	--	6	22
Waxes .....	--	--	0	2	--	--	0	--	2	0
Petroleum Coke .....	--	--	36	0	--	--	--	--	27	9
Marketable .....	--	--	13	0	--	--	--	--	27	-13
Catalyst .....	--	--	23	--	--	--	--	--	--	23
Asphalt and Road Oil .....	--	--	72	44	14	--	-9	--	5	135
Still Gas .....	--	--	42	--	--	--	--	--	--	42
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	2
<b>Total</b> .....	429	32	4,075	1,919	3,351	139	-64	4,031	431	5,549

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>46</b>	--	--	<b>843</b>	<b>234</b>	<b>158</b>	<b>6</b>	<b>1,114</b>	<b>161</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>340</b>	<b>0</b>	<b>38</b>	<b>46</b>	<b>-60</b>	--	<b>7</b>	<b>28</b>	<b>71</b>	<b>258</b>
Pentanes Plus .....	35	0	--	--	0	--	1	3	3	28
Liquefied Petroleum Gases .....	304	--	38	46	-60	--	6	24	68	230
Ethane/Ethylene .....	132	--	0	0	-122	--	1	--	20	-10
Propane/Propylene .....	119	--	35	41	62	--	0	--	42	215
Normal Butane/Butylene .....	36	--	3	1	0	--	6	11	6	18
Isobutane/Isobutylene .....	18	--	-1	3	0	--	0	13	0	7
<b>Other Liquids</b> .....	--	<b>31</b>	--	<b>635</b>	<b>1,772</b>	<b>295</b>	<b>21</b>	<b>2,712</b>	<b>58</b>	<b>-57</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	31	--	18	299	3	1	346	3	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	31	--	18	299	0	1	343	3	0
Fuel Ethanol .....	--	25	--	0	294	17	0	333	3	0
Renewable Fuels Except Fuel Ethanol .....	--	6	--	17	5	-17	1	10	0	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	39	-1	--	-1	47	49	-57
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	579	1,474	292	21	2,318	6	0
Reformulated .....	--	--	--	187	279	113	-2	582	0	0
Conventional .....	--	0	--	392	1,195	179	23	1,737	6	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	<b>3,864</b>	<b>362</b>	<b>1,465</b>	<b>-293</b>	<b>3</b>	--	<b>144</b>	<b>5,251</b>
Finished Motor Gasoline .....	--	--	3,232	57	232	-309	-1	--	3	3,211
Reformulated .....	--	--	1,299	--	0	-86	0	--	--	1,213
Conventional .....	--	--	1,934	57	232	-223	-1	--	3	1,999
Finished Aviation Gasoline .....	--	--	--	0	11	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	88	61	437	--	-1	--	2	585
Kerosene .....	--	--	2	--	--	--	0	--	1	1
Distillate Fuel Oil <sup>6</sup> .....	--	--	340	122	758	16	-1	--	76	1,162
15 ppm sulfur and under .....	--	--	299	84	689	16	10	--	60	1,016
Greater than 15 ppm to 500 ppm sulfur .....	--	--	8	2	9	--	5	--	13	1
Greater than 500 ppm sulfur .....	--	--	33	36	61	--	-17	--	3	145
Residual Fuel Oil <sup>7</sup> .....	--	--	45	81	0	--	-4	--	31	98
Less than 0.31 percent sulfur .....	--	--	7	5	-1	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	5	11	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	33	65	1	--	1	--	NA	NA
Petrochemical Feedstocks .....	--	--	5	0	-1	--	0	--	--	4
Naphtha for Petro. Feed. Use .....	--	--	5	0	--	--	0	--	--	5
Other Oils for Petro. Feed. Use .....	--	--	--	0	-1	--	--	--	--	-1
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	13	7	17	--	0	--	7	30
Waxes .....	--	--	0	2	--	--	0	--	2	1
Petroleum Coke .....	--	--	35	5	--	--	--	--	21	19
Marketable .....	--	--	12	5	--	--	--	--	21	-3
Catalyst .....	--	--	23	--	--	--	--	--	--	23
Asphalt and Road Oil .....	--	--	58	26	10	--	9	--	3	83
Still Gas .....	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	2
<b>Total</b> .....	<b>386</b>	<b>30</b>	<b>3,902</b>	<b>1,886</b>	<b>3,412</b>	<b>161</b>	<b>36</b>	<b>3,854</b>	<b>433</b>	<b>5,452</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>49,928</b>	--	--	<b>74,311</b>	<b>-3,280</b>	<b>-1,737</b>	<b>618</b>	<b>116,117</b>	<b>2,487</b>	<b>0</b>	<b>147,631</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>22,877</b>	<b>-613</b>	<b>6,054</b>	<b>2,249</b>	<b>-7,749</b>	--	<b>2,696</b>	<b>2,663</b>	<b>8,680</b>	<b>8,779</b>	<b>65,881</b>
Pentanes Plus	3,136	-613	--	293	3,243	--	-638	916	6,148	-367	9,191
Liquefied Petroleum Gases	19,741	--	6,054	1,956	-10,992	--	3,334	1,747	2,532	9,146	56,690
Ethane/Ethylene	5,787	--	--	--	-3,515	--	-285	--	1,946	611	5,012
Propane/Propylene	9,218	--	3,714	1,504	-6,647	--	220	--	259	7,310	29,030
Normal Butane/Butylene	2,947	--	2,502	245	-1,050	--	3,367	58	326	893	20,247
Isobutane/Isobutylene	1,789	--	-162	207	220	--	32	1,689	0	333	2,401
<b>Other Liquids</b>	--	<b>31,317</b>	--	<b>301</b>	<b>-6,700</b>	<b>-1,008</b>	<b>-985</b>	<b>24,007</b>	<b>707</b>	<b>181</b>	<b>66,319</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	31,318	--	83	-19,789	-1,651	-384	9,739	606	0	7,831
Hydrogen	--	--	--	--	--	1,112	--	1,112	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	1	--	--	--	-1	--	--	0	0	--
Renewable Fuels (including Fuel Ethanol)	--	31,317	--	70	-19,789	-2,786	-384	8,590	605	0	7,817
Fuel Ethanol	--	29,009	--	--	-19,355	-1,508	-296	8,003	440	0	7,045
Renewable Fuels Except Fuel Ethanol	--	2,308	--	70	-435	-1,279	-88	587	166	0	772
Other Hydrocarbons	--	--	--	13	--	24	0	37	--	0	14
Unfinished Oils	--	--	--	--	-170	--	-915	464	100	181	13,182
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	218	13,259	643	314	13,804	1	0	45,306
Reformulated	--	--	--	--	4,655	-2,906	64	1,685	--	0	6,188
Conventional	--	-1	--	218	8,604	3,549	250	12,119	1	0	39,118
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>113</b>	<b>144,231</b>	<b>952</b>	<b>8,161</b>	<b>2,144</b>	<b>-1,013</b>	--	<b>1,261</b>	<b>155,352</b>	<b>60,738</b>
Finished Motor Gasoline	--	113	83,669	--	1,294	865	-358	--	49	86,250	6,087
Reformulated	--	--	11,607	--	--	3,285	--	--	--	14,892	--
Conventional	--	113	72,062	--	1,294	-2,420	-358	--	49	71,358	6,087
Finished Aviation Gasoline	--	--	59	1	86	--	-18	--	--	164	135
Kerosene-Type Jet Fuel	--	--	8,159	--	1,098	--	473	--	139	8,645	7,010
Kerosene	--	--	127	--	--	--	58	--	0	69	157
Distillate Fuel Oil	--	--	32,301	59	6,286	1,279	103	--	87	39,734	32,094
15 ppm sulfur and under	--	--	31,990	55	6,095	1,279	-5	--	0	39,424	30,824
Greater than 15 ppm to 500 ppm sulfur	--	--	60	--	144	--	60	--	34	110	391
Greater than 500 ppm sulfur	--	--	251	4	47	--	48	--	53	201	879
Residual Fuel Oil <sup>6</sup>	--	--	1,785	165	-859	--	224	--	457	410	1,419
Less than 0.31 percent sulfur	--	--	118	--	--	--	30	--	NA	NA	72
0.31 to 1.00 percent sulfur	--	--	223	58	--	--	19	--	NA	NA	143
Greater than 1.00 percent sulfur	--	--	1,444	107	-859	--	175	--	NA	NA	1,204
Petrochemical Feedstocks	--	--	947	175	-61	--	26	--	--	1,035	569
Naphtha for Petro. Feed. Use	--	--	701	91	-79	--	14	--	--	699	424
Other Oils for Petro. Feed. Use	--	--	246	84	18	--	12	--	--	336	145
Special Naphthas	--	--	65	45	28	--	22	--	--	116	135
Lubricants	--	--	277	199	212	--	56	--	223	409	692
Waxes	--	--	39	2	--	--	-8	--	31	18	43
Petroleum Coke	--	--	6,191	25	--	--	-115	--	44	6,287	1,003
Marketable	--	--	4,652	25	--	--	-115	--	44	4,748	1,003
Catalyst	--	--	1,539	--	--	--	--	--	--	1,539	--
Asphalt and Road Oil	--	--	5,290	281	58	--	-1,469	--	231	6,867	11,281
Still Gas	--	--	4,783	--	--	--	--	--	--	4,783	--
Miscellaneous Products	--	--	539	--	19	--	-7	--	0	565	113
<b>Total</b>	<b>72,805</b>	<b>30,817</b>	<b>150,285</b>	<b>77,813</b>	<b>-9,569</b>	<b>-602</b>	<b>1,316</b>	<b>142,787</b>	<b>13,135</b>	<b>164,312</b>	<b>340,569</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>417,720</b>	--	--	<b>565,157</b>	<b>-52,038</b>	<b>-31,064</b>	<b>3,133</b>	<b>880,148</b>	<b>16,092</b>	<b>403</b>	<b>147,631</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>191,416</b>	<b>-4,765</b>	<b>35,644</b>	<b>18,839</b>	<b>-39,059</b>	--	<b>11,194</b>	<b>23,221</b>	<b>70,935</b>	<b>96,725</b>	<b>65,881</b>
Pentanes Plus	22,826	-4,765	--	316	35,003	--	-806	5,575	49,522	-911	9,191
Liquefied Petroleum Gases	168,590	--	35,644	18,523	-74,062	--	12,000	17,646	21,413	97,636	56,690
Ethane/Ethylene	57,610	--	--	--	-25,363	--	-168	--	16,575	15,840	5,012
Propane/Propylene	73,619	--	28,501	14,746	-40,667	--	3,099	--	1,786	71,314	29,030
Normal Butane/Butylene	23,994	--	7,979	1,971	-9,562	--	8,617	4,805	3,050	7,910	20,247
Isobutane/Isobutylene	13,367	--	-836	1,806	1,530	--	452	12,841	2	2,572	2,401
<b>Other Liquids</b>	--	<b>237,117</b>	--	<b>2,110</b>	<b>-64,075</b>	<b>-7,598</b>	<b>-891</b>	<b>163,866</b>	<b>6,408</b>	<b>-1,829</b>	<b>66,319</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	237,125	--	381	-146,393	-13,978	-181	73,214	4,102	0	7,831
Hydrogen	--	--	--	--	--	8,637	--	8,637	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	4	--	--	--	-1	--	--	3	0	--
Renewable Fuels (including Fuel Ethanol)	--	237,121	--	317	-146,393	-22,855	-153	64,244	4,099	0	7,817
Fuel Ethanol	--	220,855	--	--	-142,223	-14,921	-12	60,650	3,073	0	7,045
Renewable Fuels Except Fuel Ethanol	--	16,266	--	317	-4,170	-7,934	-141	3,594	1,027	0	772
Other Hydrocarbons	--	--	--	64	--	241	-28	333	--	0	14
Unfinished Oils	--	--	--	--	-3,777	--	309	-3,521	1,264	-1,829	13,182
Motor Gasoline Blend. Comp. (MGBC)	--	-8	--	1,729	86,095	6,380	-1,019	94,173	1,042	0	45,306
Reformulated	--	--	--	--	21,400	-9,904	59	11,436	1	0	6,188
Conventional	--	-8	--	1,729	64,695	16,285	-1,078	82,737	1,042	0	39,118
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>622</b>	<b>1,085,828</b>	<b>6,483</b>	<b>49,273</b>	<b>16,475</b>	<b>-1,400</b>	--	<b>14,514</b>	<b>1,145,567</b>	<b>60,738</b>
Finished Motor Gasoline	--	622	639,609	65	6,576	8,541	-1,238	--	3,006	653,645	6,087
Reformulated	--	--	90,752	--	--	11,086	--	--	--	101,838	--
Conventional	--	622	548,857	65	6,576	-2,545	-1,238	--	3,006	551,807	6,087
Finished Aviation Gasoline	--	--	484	2	132	--	-42	--	--	660	135
Kerosene-Type Jet Fuel	--	--	57,780	--	7,581	--	223	--	3,468	61,670	7,010
Kerosene	--	--	516	1	182	--	-58	--	253	504	157
Distillate Fuel Oil	--	--	243,729	554	38,999	7,934	200	--	1,779	289,236	32,094
15 ppm sulfur and under	--	--	243,166	270	38,168	7,934	-196	--	686	289,047	30,824
Greater than 15 ppm to 500 ppm sulfur	--	--	739	--	784	--	-112	--	830	806	391
Greater than 500 ppm sulfur	--	--	-176	284	47	--	508	--	263	-616	879
Residual Fuel Oil <sup>6</sup>	--	--	12,567	787	-6,156	--	126	--	2,174	4,898	1,419
Less than 0.31 percent sulfur	--	--	784	--	--	--	69	--	NA	NA	72
0.31 to 1.00 percent sulfur	--	--	1,640	371	--	--	-14	--	NA	NA	143
Greater than 1.00 percent sulfur	--	--	10,143	416	-6,122	--	71	--	NA	NA	1,204
Petrochemical Feedstocks	--	--	6,891	1,142	-617	--	-186	--	--	7,602	569
Naphtha for Petro. Feed. Use	--	--	5,381	649	-725	--	-168	--	--	5,473	424
Other Oils for Petro. Feed. Use	--	--	1,510	493	108	--	-18	--	--	2,129	145
Special Naphthas	--	--	335	420	298	--	-18	--	--	1,071	135
Lubricants	--	--	2,196	1,672	1,683	--	23	--	1,360	4,168	692
Waxes	--	--	291	46	--	--	1	--	258	78	43
Petroleum Coke	--	--	46,078	137	--	--	-193	--	1,217	45,191	1,003
Marketable	--	--	34,094	137	--	--	-193	--	1,217	33,207	1,003
Catalyst	--	--	11,984	--	--	--	--	--	--	11,984	--
Asphalt and Road Oil	--	--	36,451	1,657	479	--	-234	--	996	37,825	11,281
Still Gas	--	--	35,092	--	--	--	--	--	--	35,092	--
Miscellaneous Products	--	--	3,809	--	116	--	-4	--	2	3,927	113
<b>Total</b>	<b>609,136</b>	<b>232,974</b>	<b>1,121,472</b>	<b>592,589</b>	<b>-105,899</b>	<b>-22,188</b>	<b>12,036</b>	<b>1,067,235</b>	<b>107,948</b>	<b>1,240,866</b>	<b>340,569</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>1,611</b>	--	--	<b>2,397</b>	<b>-106</b>	<b>-56</b>	<b>20</b>	<b>3,746</b>	<b>80</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>738</b>	<b>-20</b>	<b>195</b>	<b>73</b>	<b>-250</b>	--	<b>87</b>	<b>86</b>	<b>280</b>	<b>283</b>
Pentanes Plus .....	101	-20	--	9	105	--	-21	30	198	-12
Liquefied Petroleum Gases .....	637	--	195	63	-355	--	108	56	82	295
Ethane/Ethylene .....	187	--	--	--	-113	--	-9	--	63	20
Propane/Propylene .....	297	--	120	49	-214	--	7	--	8	236
Normal Butane/Butylene .....	95	--	81	8	-34	--	109	2	11	29
Isobutane/Isobutylene .....	58	--	-5	7	7	--	1	54	0	11
<b>Other Liquids</b> .....	--	<b>1,010</b>	--	<b>10</b>	<b>-216</b>	<b>-33</b>	<b>-32</b>	<b>774</b>	<b>23</b>	<b>6</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	1,010	--	3	-638	-53	-12	314	20	0
Hydrogen .....	--	--	--	--	--	36	--	36	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	0	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,010	--	2	-638	-90	-12	277	20	0
Fuel Ethanol .....	--	936	--	--	-624	-49	-10	258	14	0
Renewable Fuels Except Fuel Ethanol .....	--	74	--	2	-14	-41	-3	19	5	0
Other Hydrocarbons .....	--	--	--	0	--	1	0	1	--	0
Unfinished Oils .....	--	--	--	--	-5	--	-30	15	3	6
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	7	428	21	10	445	0	0
Reformulated .....	--	--	--	--	150	-94	2	54	--	0
Conventional .....	--	0	--	7	278	114	8	391	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	<b>4</b>	<b>4,653</b>	<b>31</b>	<b>263</b>	<b>69</b>	<b>-33</b>	--	<b>41</b>	<b>5,011</b>
Finished Motor Gasoline .....	--	4	2,699	--	42	28	-12	--	2	2,782
Reformulated .....	--	--	374	--	--	106	--	--	--	480
Conventional .....	--	4	2,325	--	42	-78	-12	--	2	2,302
Finished Aviation Gasoline .....	--	--	2	0	3	--	-1	--	--	5
Kerosene-Type Jet Fuel .....	--	--	263	--	35	--	15	--	4	279
Kerosene .....	--	--	4	--	--	--	2	--	0	2
Distillate Fuel Oil .....	--	--	1,042	2	203	41	3	--	3	1,282
15 ppm sulfur and under .....	--	--	1,032	2	197	41	0	--	0	1,272
Greater than 15 ppm to 500 ppm sulfur .....	--	--	2	--	5	--	2	--	1	4
Greater than 500 ppm sulfur .....	--	--	8	0	2	--	2	--	2	6
Residual Fuel Oil <sup>6</sup> .....	--	--	58	5	-28	--	7	--	15	13
Less than 0.31 percent sulfur .....	--	--	4	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	7	2	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	47	3	-28	--	6	--	NA	NA
Petrochemical Feedstocks .....	--	--	31	6	-2	--	1	--	--	33
Naphtha for Petro. Feed. Use .....	--	--	23	3	-3	--	0	--	--	23
Other Oils for Petro. Feed. Use .....	--	--	8	3	1	--	0	--	--	11
Special Naphthas .....	--	--	2	1	1	--	1	--	--	4
Lubricants .....	--	--	9	6	7	--	2	--	7	13
Waxes .....	--	--	1	0	--	--	0	--	1	1
Petroleum Coke .....	--	--	200	1	--	--	-4	--	1	203
Marketable .....	--	--	150	1	--	--	-4	--	1	153
Catalyst .....	--	--	50	--	--	--	--	--	--	50
Asphalt and Road Oil .....	--	--	171	9	2	--	-47	--	7	222
Still Gas .....	--	--	154	--	--	--	--	--	--	154
Miscellaneous Products .....	--	--	17	--	1	--	0	--	0	18
<b>Total</b> .....	<b>2,349</b>	<b>994</b>	<b>4,848</b>	<b>2,510</b>	<b>-309</b>	<b>-19</b>	<b>42</b>	<b>4,606</b>	<b>424</b>	<b>5,300</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	1,712	--	--	2,316	-213	-127	13	3,607	66	2
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	784	-20	146	77	-160	--	46	95	291	396
Pentanes Plus .....	94	-20	--	1	143	--	-3	23	203	-4
Liquefied Petroleum Gases .....	691	--	146	76	-304	--	49	72	88	400
Ethane/Ethylene .....	236	--	--	--	-104	--	-1	--	68	65
Propane/Propylene .....	302	--	117	60	-167	--	13	--	7	292
Normal Butane/Butylene .....	98	--	33	8	-39	--	35	20	12	32
Isobutane/Isobutylene .....	55	--	-3	7	6	--	2	53	0	11
<b>Other Liquids</b> .....	--	972	--	9	-263	-31	-4	672	26	-7
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	972	--	2	-600	-57	-1	300	17	0
Hydrogen .....	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	0	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	972	--	1	-600	-94	-1	263	17	0
Fuel Ethanol .....	--	905	--	--	-583	-61	0	249	13	0
Renewable Fuels Except Fuel Ethanol .....	--	67	--	1	-17	-33	-1	15	4	0
Other Hydrocarbons .....	--	--	--	0	--	1	0	1	--	0
Unfinished Oils .....	--	--	--	--	-15	--	1	-14	5	-7
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	7	353	26	-4	386	4	0
Reformulated .....	--	--	--	--	88	-41	0	47	0	0
Conventional .....	--	0	--	7	265	67	-4	339	4	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	3	4,450	27	202	68	-6	--	59	4,695
Finished Motor Gasoline .....	--	3	2,621	0	27	35	-5	--	12	2,679
Reformulated .....	--	--	372	--	--	45	--	--	--	417
Conventional .....	--	3	2,249	0	27	-10	-5	--	12	2,262
Finished Aviation Gasoline .....	--	--	2	0	1	--	0	--	--	3
Kerosene-Type Jet Fuel .....	--	--	237	--	31	--	1	--	14	253
Kerosene .....	--	--	2	0	1	--	0	--	1	2
Distillate Fuel Oil .....	--	--	999	2	160	33	1	--	7	1,185
15 ppm sulfur and under .....	--	--	997	1	156	33	-1	--	3	1,185
Greater than 15 ppm to 500 ppm sulfur .....	--	--	3	--	3	--	0	--	3	3
Greater than 500 ppm sulfur .....	--	--	-1	1	0	--	2	--	1	-3
Residual Fuel Oil <sup>6</sup> .....	--	--	52	3	-25	--	1	--	9	20
Less than 0.31 percent sulfur .....	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	7	2	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	42	2	-25	--	0	--	NA	NA
Petrochemical Feedstocks .....	--	--	28	5	-3	--	-1	--	--	31
Naphtha for Petro. Feed. Use .....	--	--	22	3	-3	--	-1	--	--	22
Other Oils for Petro. Feed. Use .....	--	--	6	2	0	--	0	--	--	9
Special Naphthas .....	--	--	1	2	1	--	0	--	--	4
Lubricants .....	--	--	9	7	7	--	0	--	6	17
Waxes .....	--	--	1	0	--	--	0	--	1	0
Petroleum Coke .....	--	--	189	1	--	--	-1	--	5	185
Marketable .....	--	--	140	1	--	--	-1	--	5	136
Catalyst .....	--	--	49	--	--	--	--	--	--	49
Asphalt and Road Oil .....	--	--	149	7	2	--	-1	--	4	155
Still Gas .....	--	--	144	--	--	--	--	--	--	144
Miscellaneous Products .....	--	--	16	--	0	--	0	--	0	16
<b>Total</b> .....	2,496	955	4,596	2,429	-434	-91	49	4,374	442	5,086

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>168,839</b>	--	--	<b>99,930</b>	<b>5,920</b>	<b>1,401</b>	<b>-3,330</b>	<b>266,722</b>	<b>12,698</b>	<b>0</b>	<b>941,567</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>58,463</b>	<b>-17</b>	<b>14,736</b>	<b>660</b>	<b>18,759</b>	--	<b>12,041</b>	<b>7,218</b>	<b>20,398</b>	<b>52,944</b>	<b>160,945</b>
Pentanes Plus	7,477	-17	--	660	-1,681	--	2,975	2,471	55	938	14,358
Liquefied Petroleum Gases	50,986	--	14,736	--	20,440	--	9,066	4,747	20,344	52,005	146,587
Ethane/Ethylene	21,643	--	170	--	8,771	--	-3,248	--	--	33,832	43,683
Propane/Propylene	18,782	--	11,135	--	8,542	--	5,951	--	18,981	13,527	59,547
Normal Butane/Butylene	3,995	--	3,670	--	2,476	--	6,101	1,034	1,126	1,880	38,018
Isobutane/Isobutylene	6,566	--	-239	--	651	--	262	3,713	236	2,767	5,339
<b>Other Liquids</b>	--	<b>3,655</b>	--	<b>18,404</b>	<b>-59,505</b>	<b>4,229</b>	<b>-2,024</b>	<b>-45,863</b>	<b>10,520</b>	<b>4,149</b>	<b>118,495</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,655	--	1,135	4,551	3,152	-358	9,313	3,537	0	6,155
Hydrogen	--	--	--	--	--	4,105	--	4,105	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,202	--	425	--	-477	-147	88	2,209	0	1,092
Renewable Fuels (including Fuel Ethanol)	--	1,453	--	708	4,551	-475	-211	5,120	1,327	0	5,063
Fuel Ethanol	--	832	--	--	4,736	376	78	4,554	1,312	0	3,767
Renewable Fuels Except Fuel Ethanol	--	621	--	708	-185	-850	-289	566	15	0	1,296
Other Hydrocarbons	--	--	--	2	--	-2	--	--	--	0	--
Unfinished Oils	--	--	--	14,575	226	--	-464	8,004	3,109	4,152	43,581
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	2,694	-64,282	1,078	-1,210	-63,175	3,875	0	68,743
Reformulated	--	--	--	--	-16,466	4,943	-1,092	-10,445	14	0	10,767
Conventional	--	--	--	2,694	-47,816	-3,865	-118	-52,730	3,861	0	57,972
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	8	-5	--	-3	16
<b>Finished Petroleum Products</b>	--	--	<b>232,712</b>	<b>4,359</b>	<b>-54,556</b>	<b>-417</b>	<b>743</b>	--	<b>74,883</b>	<b>106,472</b>	<b>114,599</b>
Finished Motor Gasoline	--	--	67,960	296	-7,615	-1,453	372	--	16,106	42,710	9,604
Reformulated	--	--	14,443	--	--	-6,055	--	--	--	8,388	--
Conventional	--	--	53,517	296	-7,615	4,601	372	--	16,106	34,321	9,604
Finished Aviation Gasoline	--	--	236	--	-458	--	-1	--	--	-221	278
Kerosene-Type Jet Fuel	--	--	27,571	--	-16,564	--	-796	--	4,922	6,881	15,041
Kerosene	--	--	278	--	--	--	-163	--	422	19	186
Distillate Fuel Oil	--	--	85,251	461	-29,762	1,036	970	--	33,791	22,226	45,340
15 ppm sulfur and under	--	--	78,927	--	-27,650	1,036	424	--	29,622	22,267	38,781
Greater than 15 ppm to 500 ppm sulfur	--	--	2,656	--	-568	--	140	--	2,129	-181	2,054
Greater than 500 ppm sulfur	--	--	3,668	461	-1,544	--	406	--	2,040	139	4,505
Residual Fuel Oil <sup>7</sup>	--	--	6,126	1,700	859	--	593	--	6,869	1,223	22,934
Less than 0.31 percent sulfur	--	--	822	--	--	--	-97	--	NA	NA	2,174
0.31 to 1.00 percent sulfur	--	--	190	926	--	--	717	--	NA	NA	2,962
Greater than 1.00 percent sulfur	--	--	5,114	774	859	--	-27	--	NA	NA	17,798
Petrochemical Feedstocks	--	--	7,835	420	79	--	-472	--	--	8,806	2,202
Naphtha for Petro. Feed. Use	--	--	4,901	396	79	--	-439	--	--	5,815	1,266
Other Oils for Petro. Feed. Use	--	--	2,934	24	--	--	-33	--	--	2,991	936
Special Naphthas	--	--	1,000	222	-28	--	11	--	--	1,183	1,143
Lubricants	--	--	4,200	890	-547	--	481	--	1,625	2,437	8,898
Waxes	--	--	108	--	--	--	23	--	15	70	233
Petroleum Coke	--	--	16,099	340	--	--	158	--	10,833	5,448	3,127
Marketable	--	--	12,378	340	--	--	158	--	10,833	1,727	3,127
Catalyst	--	--	3,721	--	--	--	--	--	--	3,721	--
Asphalt and Road Oil	--	--	2,610	30	-501	--	-372	--	295	2,216	5,186
Still Gas	--	--	11,679	--	--	--	--	--	--	11,679	--
Miscellaneous Products	--	--	1,759	--	-19	--	-61	--	6	1,795	427
<b>Total</b>	<b>227,302</b>	<b>3,638</b>	<b>247,448</b>	<b>123,353</b>	<b>-89,383</b>	<b>5,213</b>	<b>7,430</b>	<b>228,077</b>	<b>118,499</b>	<b>163,564</b>	<b>1,335,606</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>1,338,784</b>	--	--	<b>777,809</b>	<b>53,036</b>	<b>3,455</b>	<b>31,685</b>	<b>2,079,764</b>	<b>61,662</b>	<b>-27</b>	<b>941,567</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>471,190</b>	<b>-147</b>	<b>108,845</b>	<b>2,751</b>	<b>131,688</b>	--	<b>35,184</b>	<b>66,465</b>	<b>189,057</b>	<b>423,621</b>	<b>160,945</b>
Pentanes Plus	52,454	-147	--	2,577	-23,930	--	4,375	22,110	517	3,952	14,358
Liquefied Petroleum Gases	418,736	--	108,845	174	155,618	--	30,809	44,355	188,540	419,669	146,587
Ethane/Ethylene	193,478	--	912	--	76,126	--	15,485	--	--	255,031	43,683
Propane/Propylene	145,184	--	92,169	--	54,346	--	-1,453	--	170,051	123,101	59,547
Normal Butane/Butylene	29,443	--	17,185	174	20,223	--	17,122	16,118	17,093	16,692	38,018
Isobutane/Isobutylene	50,631	--	-1,421	--	4,923	--	-345	28,237	1,395	24,846	5,339
<b>Other Liquids</b>	--	<b>28,940</b>	--	<b>136,708</b>	<b>-449,856</b>	<b>8,648</b>	<b>-1,032</b>	<b>-384,739</b>	<b>98,236</b>	<b>11,975</b>	<b>118,495</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	28,940	--	5,848	33,813	31,321	-144	71,981	28,086	0	6,155
Hydrogen	--	--	--	--	--	32,307	--	32,307	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	18,083	--	2,655	--	-1,918	165	713	17,942	0	1,092
Renewable Fuels (including Fuel Ethanol)	--	10,857	--	3,120	33,813	1,005	-309	38,961	10,144	0	5,063
Fuel Ethanol	--	6,547	--	63	33,454	4,464	-579	35,268	9,839	0	3,767
Renewable Fuels Except Fuel Ethanol	--	4,310	--	3,057	359	-3,458	270	3,693	305	0	1,296
Other Hydrocarbons	--	--	--	73	--	-73	--	--	--	0	--
Unfinished Oils	--	--	--	121,089	3,944	--	3,849	68,969	40,220	11,995	43,581
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	9,771	-487,613	-22,673	-4,745	-525,701	29,931	0	68,743
Reformulated	--	--	--	--	-109,648	23,871	-995	-84,819	37	0	10,767
Conventional	--	--	--	9,771	-377,965	-46,544	-3,750	-440,882	29,894	0	57,976
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	8	12	--	-20	16
<b>Finished Petroleum Products</b>	--	--	<b>1,803,002</b>	<b>40,041</b>	<b>-421,991</b>	<b>23,104</b>	<b>-6,745</b>	--	<b>590,110</b>	<b>860,791</b>	<b>114,599</b>
Finished Motor Gasoline	--	--	535,501	751	-63,130	18,210	-1,477	--	123,800	369,009	9,604
Reformulated	--	--	111,298	--	-44	-29,714	--	--	--	81,540	--
Conventional	--	--	424,203	751	-63,086	47,924	-1,477	--	123,800	287,469	9,604
Finished Aviation Gasoline	--	--	1,700	--	-2,767	--	-92	--	--	-975	278
Kerosene-Type Jet Fuel	--	--	205,709	--	-120,756	--	726	--	33,781	50,446	15,041
Kerosene	--	--	2,548	--	-182	--	-140	--	2,122	384	186
Distillate Fuel Oil	--	--	661,060	2,813	-232,297	4,894	-897	--	252,506	184,862	45,340
15 ppm sulfur and under	--	--	603,629	216	-214,457	4,894	-968	--	220,904	174,346	38,781
Greater than 15 ppm to 500 ppm sulfur	--	--	24,694	313	-2,871	--	-87	--	20,867	1,356	2,054
Greater than 500 ppm sulfur	--	--	32,737	2,284	-14,969	--	158	--	10,734	9,160	4,505
Residual Fuel Oil <sup>7</sup>	--	--	45,899	20,216	5,480	--	-2,114	--	52,276	21,433	22,934
Less than 0.31 percent sulfur	--	--	7,463	1,163	156	--	-151	--	NA	NA	2,174
0.31 to 1.00 percent sulfur	--	--	3,323	3,663	--	--	479	--	NA	NA	2,962
Greater than 1.00 percent sulfur	--	--	35,113	15,390	5,324	--	-2,442	--	NA	NA	17,798
Petrochemical Feedstocks	--	--	62,570	6,143	768	--	-150	--	--	69,631	2,202
Naphtha for Petro. Feed. Use	--	--	40,951	5,084	725	--	-65	--	--	46,825	1,266
Other Oils for Petro. Feed. Use	--	--	21,619	1,059	43	--	-85	--	--	22,806	936
Special Naphthas	--	--	7,779	3,086	-298	--	52	--	--	10,515	1,143
Lubricants	--	--	30,682	6,156	-5,696	--	-1,667	--	14,050	18,759	8,898
Waxes	--	--	839	225	--	--	3	--	119	942	233
Petroleum Coke	--	--	124,459	549	--	--	-435	--	107,851	17,592	3,127
Marketable	--	--	94,809	549	--	--	-435	--	107,851	-12,058	3,127
Catalyst	--	--	29,650	--	--	--	--	--	--	29,650	--
Asphalt and Road Oil	--	--	20,127	102	-2,997	--	-442	--	3,355	14,319	5,186
Still Gas	--	--	90,302	--	--	--	--	--	--	90,302	--
Miscellaneous Products	--	--	13,827	--	-116	--	-112	--	250	13,573	427
<b>Total</b>	<b>1,809,974</b>	<b>28,793</b>	<b>1,911,847</b>	<b>957,309</b>	<b>-687,123</b>	<b>35,207</b>	<b>59,092</b>	<b>1,761,490</b>	<b>939,065</b>	<b>1,296,361</b>	<b>1,335,606</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b> .....	<b>5,446</b>	--	--	<b>3,224</b>	<b>191</b>	<b>45</b>	<b>-107</b>	<b>8,604</b>	<b>410</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>1,886</b>	<b>-1</b>	<b>475</b>	<b>21</b>	<b>605</b>	--	<b>388</b>	<b>233</b>	<b>658</b>	<b>1,708</b>
Pentanes Plus .....	241	-1	--	21	-54	--	96	80	2	30
Liquefied Petroleum Gases .....	1,645	--	475	--	659	--	292	153	656	1,678
Ethane/Ethylene .....	698	--	5	--	283	--	-105	--	--	1,091
Propane/Propylene .....	606	--	359	--	276	--	192	--	612	436
Normal Butane/Butylene .....	129	--	118	--	80	--	197	33	36	61
Isobutane/Isobutylene .....	212	--	-8	--	21	--	8	120	8	89
<b>Other Liquids</b> .....	--	<b>118</b>	--	<b>594</b>	<b>-1,920</b>	<b>136</b>	<b>-65</b>	<b>-1,479</b>	<b>339</b>	<b>134</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	118	--	37	147	102	-12	300	114	0
Hydrogen .....	--	--	--	--	--	132	--	132	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	71	--	14	--	-15	-5	3	71	0
Renewable Fuels (including Fuel Ethanol) .....	--	47	--	23	147	-15	-7	165	43	0
Fuel Ethanol .....	--	27	--	--	153	12	3	147	42	0
Renewable Fuels Except Fuel Ethanol .....	--	20	--	23	-6	-27	-9	18	0	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	470	7	--	-15	258	100	134
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	87	-2,074	35	-39	-2,038	125	0
Reformulated .....	--	--	--	--	-531	159	-35	-337	0	0
Conventional .....	--	--	--	87	-1,542	-125	-4	-1,701	125	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	--	<b>7,507</b>	<b>141</b>	<b>-1,760</b>	<b>-13</b>	<b>24</b>	--	<b>2,416</b>	<b>3,435</b>
Finished Motor Gasoline .....	--	--	2,192	10	-246	-47	12	--	520	1,378
Reformulated .....	--	--	466	--	--	-195	--	--	--	271
Conventional .....	--	--	1,726	10	-246	148	12	--	520	1,107
Finished Aviation Gasoline .....	--	--	8	--	-15	--	0	--	--	-7
Kerosene-Type Jet Fuel .....	--	--	889	--	-534	--	-26	--	159	222
Kerosene .....	--	--	9	--	--	--	-5	--	14	1
Distillate Fuel Oil .....	--	--	2,750	15	-960	33	31	--	1,090	717
15 ppm sulfur and under .....	--	--	2,546	--	-892	33	14	--	956	718
Greater than 15 ppm to 500 ppm sulfur .....	--	--	86	--	-18	--	5	--	69	-6
Greater than 500 ppm sulfur .....	--	--	118	15	-50	--	13	--	66	4
Residual Fuel Oil <sup>7</sup> .....	--	--	198	55	28	--	19	--	222	39
Less than 0.31 percent sulfur .....	--	--	27	--	--	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	6	30	--	--	23	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	165	25	28	--	-1	--	NA	NA
Petrochemical Feedstocks .....	--	--	253	14	3	--	-15	--	--	284
Naphtha for Petro. Feed. Use .....	--	--	158	13	3	--	-14	--	--	188
Other Oils for Petro. Feed. Use .....	--	--	95	1	--	--	-1	--	--	96
Special Naphthas .....	--	--	32	7	-1	--	0	--	--	38
Lubricants .....	--	--	135	29	-18	--	16	--	52	79
Waxes .....	--	--	3	--	--	--	1	--	0	2
Petroleum Coke .....	--	--	519	11	--	--	5	--	349	176
Marketable .....	--	--	399	11	--	--	5	--	349	56
Catalyst .....	--	--	120	--	--	--	--	--	--	120
Asphalt and Road Oil .....	--	--	84	1	-16	--	-12	--	10	71
Still Gas .....	--	--	377	--	--	--	--	--	--	377
Miscellaneous Products .....	--	--	57	--	-1	--	-2	--	0	58
<b>Total</b> .....	<b>7,332</b>	<b>117</b>	<b>7,982</b>	<b>3,979</b>	<b>-2,883</b>	<b>168</b>	<b>240</b>	<b>7,357</b>	<b>3,823</b>	<b>5,276</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>5,487</b>	--	--	<b>3,188</b>	<b>217</b>	<b>14</b>	<b>130</b>	<b>8,524</b>	<b>253</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>1,931</b>	<b>-1</b>	<b>446</b>	<b>11</b>	<b>540</b>	--	<b>144</b>	<b>272</b>	<b>775</b>	<b>1,736</b>
Pentanes Plus	215	-1	--	11	-98	--	18	91	2	16
Liquefied Petroleum Gases	1,716	--	446	1	638	--	126	182	773	1,720
Ethane/Ethylene	793	--	4	--	312	--	63	--	--	1,045
Propane/Propylene	595	--	378	--	223	--	-6	--	697	505
Normal Butane/Butylene	121	--	70	1	83	--	70	66	70	68
Isobutane/Isobutylene	208	--	-6	--	20	--	-1	116	6	102
<b>Other Liquids</b>	--	<b>119</b>	--	<b>560</b>	<b>-1,844</b>	<b>35</b>	<b>-4</b>	<b>-1,577</b>	<b>403</b>	<b>49</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	119	--	24	139	128	-1	295	115	0
Hydrogen	--	--	--	--	--	132	--	132	--	0
Oxygenates (excluding Fuel Ethanol)	--	74	--	11	--	-8	1	3	74	0
Renewable Fuels (including Fuel Ethanol)	--	44	--	13	139	4	-1	160	42	0
Fuel Ethanol	--	27	--	0	137	18	-2	145	40	0
Renewable Fuels Except Fuel Ethanol	--	18	--	13	1	-14	1	15	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	496	16	--	16	283	165	49
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	40	-1,998	-93	-19	-2,155	123	0
Reformulated	--	--	--	--	-449	98	-4	-348	0	0
Conventional	--	--	--	40	-1,549	-191	-15	-1,807	123	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,389</b>	<b>164</b>	<b>-1,729</b>	<b>95</b>	<b>-28</b>	--	<b>2,418</b>	<b>3,528</b>
Finished Motor Gasoline	--	--	2,195	3	-259	75	-6	--	507	1,512
Reformulated	--	--	456	--	0	-122	--	--	--	334
Conventional	--	--	1,739	3	-259	196	-6	--	507	1,178
Finished Aviation Gasoline	--	--	7	--	-11	--	0	--	--	-4
Kerosene-Type Jet Fuel	--	--	843	--	-495	--	3	--	138	207
Kerosene	--	--	10	--	-1	--	-1	--	9	2
Distillate Fuel Oil	--	--	2,709	12	-952	20	-4	--	1,035	758
15 ppm sulfur and under	--	--	2,474	1	-879	20	-4	--	905	715
Greater than 15 ppm to 500 ppm sulfur	--	--	101	1	-12	--	0	--	86	6
Greater than 500 ppm sulfur	--	--	134	9	-61	--	1	--	44	38
Residual Fuel Oil <sup>7</sup>	--	--	188	83	22	--	-9	--	214	88
Less than 0.31 percent sulfur	--	--	31	5	1	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	14	15	--	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	144	63	22	--	-10	--	NA	NA
Petrochemical Feedstocks	--	--	256	25	3	--	-1	--	--	285
Naphtha for Petro. Feed. Use	--	--	168	21	3	--	0	--	--	192
Other Oils for Petro. Feed. Use	--	--	89	4	0	--	0	--	--	93
Special Naphthas	--	--	32	13	-1	--	0	--	--	43
Lubricants	--	--	126	25	-23	--	-7	--	58	77
Waxes	--	--	3	1	--	--	0	--	0	4
Petroleum Coke	--	--	510	2	--	--	-2	--	442	72
Marketable	--	--	389	2	--	--	-2	--	442	-49
Catalyst	--	--	122	--	--	--	--	--	--	122
Asphalt and Road Oil	--	--	82	0	-12	--	-2	--	14	59
Still Gas	--	--	370	--	--	--	--	--	--	370
Miscellaneous Products	--	--	57	--	0	--	0	--	1	56
<b>Total</b>	<b>7,418</b>	<b>118</b>	<b>7,835</b>	<b>3,923</b>	<b>-2,816</b>	<b>144</b>	<b>242</b>	<b>7,219</b>	<b>3,849</b>	<b>5,313</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>20,221</b>	<b>--</b>	<b>--</b>	<b>10,315</b>	<b>-11,977</b>	<b>1,255</b>	<b>812</b>	<b>18,963</b>	<b>39</b>	<b>0</b>	<b>21,725</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>10,336</b>	<b>-9</b>	<b>554</b>	<b>171</b>	<b>-9,157</b>	<b>--</b>	<b>313</b>	<b>497</b>	<b>133</b>	<b>952</b>	<b>4,310</b>
Pentanes Plus .....	1,923	-9	--	--	-1,551	--	6	194	99	64	330
Liquefied Petroleum Gases .....	8,413	--	554	171	-7,606	--	307	303	34	888	3,980
Ethane/Ethylene .....	1,787	--	--	--	-1,549	--	-27	--	--	265	458
Propane/Propylene .....	4,194	--	266	157	-3,778	--	50	--	3	786	1,465
Normal Butane/Butylene .....	1,681	--	268	--	-1,421	--	247	119	31	131	1,782
Isobutane/Isobutylene .....	751	--	20	14	-858	--	37	184	--	-294	275
<b>Other Liquids</b> .....	<b>--</b>	<b>395</b>	<b>--</b>	<b>85</b>	<b>869</b>	<b>-666</b>	<b>-518</b>	<b>1,031</b>	<b>37</b>	<b>133</b>	<b>8,309</b>
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	395	--	17	474	452	28	1,292	19	0	366
Hydrogen .....	--	--	--	--	--	204	--	204	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	395	--	17	474	248	28	1,088	19	0	366
Fuel Ethanol .....	--	395	--	--	374	266	23	1,012	--	0	349
Renewable Fuels Except Fuel Ethanol .....	--	--	--	17	100	-18	5	76	19	0	17
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	--	--	--	56	-207	18	133	3,062
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	68	395	-1,118	-602	-54	1	0	4,881
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	--	--	395	-1,118	-602	-54	1	0	4,881
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>20,855</b>	<b>32</b>	<b>385</b>	<b>870</b>	<b>-907</b>	<b>--</b>	<b>40</b>	<b>23,009</b>	<b>7,715</b>
Finished Motor Gasoline .....	--	--	10,342	--	-250	852	-24	--	0	10,968	1,954
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	10,342	--	-250	852	-24	--	0	10,968	1,954
Finished Aviation Gasoline .....	--	--	7	--	--	--	1	--	--	6	10
Kerosene-Type Jet Fuel .....	--	--	1,280	4	678	--	141	--	--	1,821	788
Kerosene .....	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil .....	--	--	5,975	8	-43	18	-522	--	0	6,480	3,173
15 ppm sulfur and under .....	--	--	5,898	8	-43	18	-560	--	0	6,441	2,907
Greater than 15 ppm to 500 ppm sulfur .....	--	--	38	--	--	--	-1	--	--	39	145
Greater than 500 ppm sulfur .....	--	--	39	--	--	--	39	--	--	0	121
Residual Fuel Oil <sup>6</sup> .....	--	--	371	--	--	--	-10	--	20	361	203
Less than 0.31 percent sulfur .....	--	--	231	--	--	--	-1	--	NA	NA	5
0.31 to 1.00 percent sulfur .....	--	--	27	--	--	--	-8	--	NA	NA	9
Greater than 1.00 percent sulfur .....	--	--	113	--	--	--	-1	--	NA	NA	189
Petrochemical Feedstocks .....	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	--	--	--	--	--	--	--	--	--
Lubricants .....	--	--	--	--	--	--	--	--	11	-11	--
Waxes .....	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke .....	--	--	749	--	--	--	-20	--	--	769	99
Marketable .....	--	--	520	--	--	--	-20	--	--	540	99
Catalyst .....	--	--	229	--	--	--	--	--	--	229	--
Asphalt and Road Oil .....	--	--	1,242	19	--	--	-473	--	9	1,725	1,469
Still Gas .....	--	--	790	--	--	--	--	--	--	790	--
Miscellaneous Products .....	--	--	99	1	--	--	0	--	0	100	17
<b>Total</b> .....	<b>30,557</b>	<b>386</b>	<b>21,409</b>	<b>10,603</b>	<b>-19,879</b>	<b>1,459</b>	<b>-300</b>	<b>20,491</b>	<b>249</b>	<b>24,095</b>	<b>42,059</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>162,686</b>	--	--	<b>75,855</b>	<b>-89,854</b>	<b>-495</b>	<b>2,039</b>	<b>143,752</b>	<b>2,392</b>	<b>9</b>	<b>21,725</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>88,132</b>	<b>-79</b>	<b>3,614</b>	<b>2,438</b>	<b>-78,063</b>	--	<b>688</b>	<b>4,497</b>	<b>1,279</b>	<b>9,578</b>	<b>4,310</b>
Pentanes Plus .....	14,243	-79	--	--	-11,074	--	20	1,360	863	847	330
Liquefied Petroleum Gases .....	73,889	--	3,614	2,438	-66,989	--	668	3,137	415	8,732	3,980
Ethane/Ethylene .....	22,163	--	--	--	-21,108	--	26	--	--	1,029	458
Propane/Propylene .....	32,942	--	2,183	2,286	-28,911	--	-54	--	22	8,532	1,465
Normal Butane/Butylene .....	12,902	--	1,263	4	-10,621	--	756	1,399	394	999	1,782
Isobutane/Isobutylene .....	5,882	--	168	148	-6,349	--	-60	1,738	--	-1,829	275
<b>Other Liquids</b> .....	--	<b>3,355</b>	--	<b>750</b>	<b>3,837</b>	<b>-5,317</b>	<b>-980</b>	<b>2,077</b>	<b>404</b>	<b>1,124</b>	<b>8,309</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	3,355	--	155	3,047	2,838	15	9,309	70	0	366
Hydrogen .....	--	--	--	--	--	1,607	--	1,607	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0	--
Renewable Fuels (including Fuel Ethanol) .....	--	3,355	--	101	3,047	1,285	15	7,702	70	0	366
Fuel Ethanol .....	--	3,355	--	--	2,705	1,253	11	7,300	2	0	349
Renewable Fuels Except Fuel Ethanol .....	--	--	--	101	341	32	4	402	68	0	17
Other Hydrocarbons .....	--	--	--	54	--	-54	--	--	--	0	--
Unfinished Oils .....	--	--	--	--	--	--	-452	-998	326	1,124	3,062
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	595	790	-8,155	-543	-6,234	7	0	4,881
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	--	--	790	-8,155	-543	-6,234	7	0	4,881
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	<b>153,799</b>	<b>412</b>	<b>376</b>	<b>6,870</b>	<b>-1,376</b>	--	<b>578</b>	<b>162,255</b>	<b>7,715</b>
Finished Motor Gasoline .....	--	--	76,465	--	-3,318	6,902	-338	--	9	80,378	1,954
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	76,465	--	-3,318	6,902	-338	--	9	80,378	1,954
Finished Aviation Gasoline .....	--	--	40	7	--	--	4	--	--	43	10
Kerosene-Type Jet Fuel .....	--	--	8,644	7	4,754	--	193	--	0	13,212	788
Kerosene .....	--	--	1	--	--	--	0	--	--	1	2
Distillate Fuel Oil .....	--	--	46,152	34	-1,060	-32	-1,143	--	35	46,202	3,173
15 ppm sulfur and under .....	--	--	45,880	34	-1,060	-32	-1,136	--	0	45,958	2,907
Greater than 15 ppm to 500 ppm sulfur .....	--	--	237	--	--	--	-42	--	35	244	145
Greater than 500 ppm sulfur .....	--	--	35	--	--	--	35	--	--	0	121
Residual Fuel Oil <sup>6</sup> .....	--	--	2,310	--	--	--	-35	--	409	1,936	203
Less than 0.31 percent sulfur .....	--	--	1,223	--	--	--	-2	--	NA	NA	5
0.31 to 1.00 percent sulfur .....	--	--	174	--	--	--	2	--	NA	NA	9
Greater than 1.00 percent sulfur .....	--	--	913	--	--	--	-35	--	NA	NA	189
Petrochemical Feedstocks .....	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	--	--	--	--	--	--	--	--	--
Lubricants .....	--	--	--	--	--	--	--	--	84	-84	--
Waxes .....	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke .....	--	--	5,998	--	--	--	6	--	2	5,990	99
Marketable .....	--	--	4,120	--	--	--	6	--	2	4,112	99
Catalyst .....	--	--	1,878	--	--	--	--	--	--	1,878	--
Asphalt and Road Oil .....	--	--	7,921	356	--	--	-62	--	37	8,302	1,469
Still Gas .....	--	--	5,516	--	--	--	--	--	--	5,516	--
Miscellaneous Products .....	--	--	752	8	--	--	-1	--	0	761	17
<b>Total</b> .....	<b>250,818</b>	<b>3,276</b>	<b>157,413</b>	<b>79,455</b>	<b>-163,704</b>	<b>1,058</b>	<b>371</b>	<b>150,326</b>	<b>4,652</b>	<b>172,967</b>	<b>42,059</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>652</b>	--	--	<b>333</b>	<b>-386</b>	<b>40</b>	<b>26</b>	<b>612</b>	<b>1</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>333</b>	<b>0</b>	<b>18</b>	<b>6</b>	<b>-295</b>	--	<b>10</b>	<b>16</b>	<b>4</b>	<b>31</b>
Pentanes Plus	62	0	--	--	-50	--	0	6	3	2
Liquefied Petroleum Gases	271	--	18	6	-245	--	10	10	1	29
Ethane/Ethylene	58	--	--	--	-50	--	-1	--	--	9
Propane/Propylene	135	--	9	5	-122	--	2	--	0	25
Normal Butane/Butylene	54	--	9	--	-46	--	8	4	1	4
Isobutane/Isobutylene	24	--	1	0	-28	--	1	6	--	-9
<b>Other Liquids</b>	--	<b>13</b>	--	<b>3</b>	<b>28</b>	<b>-21</b>	<b>-17</b>	<b>33</b>	<b>1</b>	<b>4</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	13	--	1	15	15	1	42	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	13	--	1	15	8	1	35	1	0
Fuel Ethanol	--	13	--	--	12	9	1	33	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	1	3	-1	0	2	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	2	-7	1	4
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	13	-36	-19	-2	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	13	-36	-19	-2	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>673</b>	<b>1</b>	<b>12</b>	<b>28</b>	<b>-29</b>	--	<b>1</b>	<b>742</b>
Finished Motor Gasoline	--	--	334	--	-8	27	-1	--	0	354
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	334	--	-8	27	-1	--	0	354
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	41	0	22	--	5	--	--	59
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	193	0	-1	1	-17	--	0	209
15 ppm sulfur and under	--	--	190	0	-1	1	-18	--	0	208
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Residual Fuel Oil <sup>6</sup>	--	--	12	--	--	--	0	--	1	12
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	24	--	--	--	-1	--	--	25
Marketable	--	--	17	--	--	--	-1	--	--	17
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	40	1	--	--	-15	--	0	56
Still Gas	--	--	25	--	--	--	--	--	--	25
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
<b>Total</b>	<b>986</b>	<b>12</b>	<b>691</b>	<b>342</b>	<b>-641</b>	<b>47</b>	<b>-10</b>	<b>661</b>	<b>8</b>	<b>777</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>667</b>	--	--	<b>311</b>	<b>-368</b>	<b>-2</b>	<b>8</b>	<b>589</b>	<b>10</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>361</b>	<b>0</b>	<b>15</b>	<b>10</b>	<b>-320</b>	--	<b>3</b>	<b>18</b>	<b>5</b>	<b>39</b>
Pentanes Plus	58	0	--	--	-45	--	0	6	4	3
Liquefied Petroleum Gases	303	--	15	10	-275	--	3	13	2	36
Ethane/Ethylene	91	--	--	--	-87	--	0	--	--	4
Propane/Propylene	135	--	9	9	-118	--	0	--	0	35
Normal Butane/Butylene	53	--	5	0	-44	--	3	6	2	4
Isobutane/Isobutylene	24	--	1	1	-26	--	0	7	--	-7
<b>Other Liquids</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>3</b>	<b>16</b>	<b>-22</b>	<b>-4</b>	<b>9</b>	<b>2</b>	<b>5</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	1	12	12	0	38	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	12	5	0	32	0	0
Fuel Ethanol	--	14	--	--	11	5	0	30	0	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	--	--	--	-2	-4	1	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	3	-33	-2	-26	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	3	-33	-2	-26	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>630</b>	<b>2</b>	<b>2</b>	<b>28</b>	<b>-6</b>	<b>--</b>	<b>2</b>	<b>665</b>
Finished Motor Gasoline	--	--	313	--	-14	28	-1	--	0	329
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	313	--	-14	28	-1	--	0	329
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	35	0	19	--	1	--	0	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	189	0	-4	0	-5	--	0	189
15 ppm sulfur and under	--	--	188	0	-4	0	-5	--	0	188
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	0	1
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil <sup>6</sup>	--	--	9	--	--	--	0	--	2	8
Less than 0.31 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	25	--	--	--	0	--	0	25
Marketable	--	--	17	--	--	--	0	--	0	17
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	32	1	--	--	0	--	0	34
Still Gas	--	--	23	--	--	--	--	--	--	23
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
<b>Total</b>	<b>1,028</b>	<b>13</b>	<b>645</b>	<b>326</b>	<b>-671</b>	<b>4</b>	<b>2</b>	<b>616</b>	<b>19</b>	<b>709</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>30,684</b>	--	--	<b>37,015</b>	<b>4,338</b>	<b>3,048</b>	<b>-4,435</b>	<b>78,525</b>	<b>995</b>	<b>0</b>	<b>50,172</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>1,774</b>	<b>-13</b>	<b>2,747</b>	<b>744</b>	--	--	<b>1,198</b>	<b>2,019</b>	<b>891</b>	<b>1,144</b>	<b>7,398</b>
Pentanes Plus .....	813	-13	--	--	--	--	-10	655	15	140	54
Liquefied Petroleum Gases .....	961	--	2,747	744	--	--	1,208	1,364	876	1,004	7,344
Ethane/Ethylene .....	1	--	--	--	--	--	--	--	--	1	--
Propane/Propylene .....	336	--	1,579	653	--	--	606	--	614	1,348	2,138
Normal Butane/Butylene .....	304	--	973	91	--	--	707	521	262	-122	4,604
Isobutane/Isobutylene .....	320	--	195	--	--	--	-105	843	--	-223	602
<b>Other Liquids</b> .....	--	<b>864</b>	--	<b>3,325</b>	<b>8,982</b>	<b>-758</b>	<b>-4,454</b>	<b>18,098</b>	<b>738</b>	<b>-1,968</b>	<b>48,959</b>
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	864	--	1,007	4,402	1,128	127	7,152	123	0	4,040
Hydrogen .....	--	--	--	--	--	1,397	--	1,397	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol) .....	--	864	--	1,007	4,402	-271	127	5,755	121	0	4,040
Fuel Ethanol .....	--	572	--	255	4,023	320	-19	5,102	87	0	2,669
Renewable Fuels Except Fuel Ethanol .....	--	292	--	752	379	-591	146	653	34	0	1,371
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	966	--	--	-2,581	5,430	85	-1,968	19,018
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	1,352	4,580	-1,886	-2,000	5,516	530	0	25,901
Reformulated .....	--	--	--	172	2,287	-116	-467	2,810	0	0	13,286
Conventional .....	--	--	--	1,180	2,293	-1,770	-1,533	2,706	530	0	12,615
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	<b>102,121</b>	<b>7,288</b>	<b>1,630</b>	<b>2,117</b>	<b>1,565</b>	--	<b>10,687</b>	<b>100,904</b>	<b>36,317</b>
Finished Motor Gasoline .....	--	--	52,890	70	253	1,566	339	--	1,929	52,511	2,397
Reformulated .....	--	--	35,887	--	--	-100	0	--	--	35,787	18
Conventional .....	--	--	17,003	70	253	1,666	339	--	1,929	16,723	2,379
Finished Aviation Gasoline .....	--	--	121	--	--	--	17	--	--	104	222
Kerosene-Type Jet Fuel .....	--	--	15,843	3,281	256	--	983	--	1,114	17,283	9,971
Kerosene .....	--	--	5	--	--	--	-1	--	1	5	20
Distillate Fuel Oil .....	--	--	19,009	1,144	1,127	551	1,015	--	2,060	18,756	14,804
15 ppm sulfur and under .....	--	--	18,167	995	1,127	551	890	--	1,117	18,832	13,418
Greater than 15 ppm to 500 ppm sulfur .....	--	--	343	--	--	--	54	--	258	31	385
Greater than 500 ppm sulfur .....	--	--	499	149	--	--	71	--	684	-107	1,001
Residual Fuel Oil <sup>6</sup> .....	--	--	3,323	2,586	--	--	-549	--	851	5,607	4,475
Less than 0.31 percent sulfur .....	--	--	--	--	--	--	-10	--	NA	NA	213
0.31 to 1.00 percent sulfur .....	--	--	826	329	--	--	8	--	NA	NA	590
Greater than 1.00 percent sulfur .....	--	--	2,497	2,257	--	--	-547	--	NA	NA	3,666
Petrochemical Feedstocks .....	--	--	4	41	--	--	1	--	--	44	3
Naphtha for Petro. Feed. Use .....	--	--	4	41	--	--	1	--	--	44	3
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	34	--	--	--	22	--	--	12	53
Lubricants .....	--	--	538	32	-6	--	174	--	135	255	1,161
Waxes .....	--	--	--	39	--	--	--	--	8	31	--
Petroleum Coke .....	--	--	4,954	28	--	--	-65	--	4,555	492	1,571
Marketable .....	--	--	3,825	28	--	--	-65	--	4,555	-637	1,571
Catalyst .....	--	--	1,129	--	--	--	--	--	--	1,129	--
Asphalt and Road Oil .....	--	--	967	67	--	--	-347	--	33	1,348	1,570
Still Gas .....	--	--	3,991	--	--	--	--	--	--	3,991	--
Miscellaneous Products .....	--	--	442	--	--	--	-24	--	1	465	70
<b>Total</b> .....	<b>32,458</b>	<b>851</b>	<b>104,868</b>	<b>48,372</b>	<b>14,951</b>	<b>4,407</b>	<b>-6,126</b>	<b>98,642</b>	<b>13,311</b>	<b>100,079</b>	<b>142,846</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	249,890	--	--	295,874	31,733	7,944	-3,972	586,062	3,311	41	50,172
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	15,228	-109	16,694	2,924	--	--	2,465	17,139	9,687	5,446	7,398
Pentanes Plus .....	7,051	-109	--	--	--	--	10	5,868	104	960	54
Liquefied Petroleum Gases .....	8,177	--	16,694	2,924	--	--	2,455	11,271	9,583	4,486	7,344
Ethane/Ethylene .....	15	--	--	--	--	--	--	--	--	15	--
Propane/Propylene .....	2,783	--	11,232	2,794	--	--	646	--	6,548	9,615	2,138
Normal Butane/Butylene .....	2,655	--	4,542	130	--	--	1,675	6,047	3,035	-3,430	4,604
Isobutane/Isobutylene .....	2,724	--	920	--	--	--	134	5,224	--	-1,714	602
<b>Other Liquids</b> .....	--	6,183	--	26,834	77,639	-2,803	-2,328	111,456	4,880	-6,154	48,959
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	6,183	--	4,319	36,666	7,416	611	53,165	808	0	4,040
Hydrogen .....	--	--	--	--	--	10,199	--	10,199	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	12	--	--	12	0	--
Renewable Fuels (including Fuel Ethanol) .....	--	6,183	--	4,319	36,666	-2,795	611	42,966	796	0	4,040
Fuel Ethanol .....	--	4,380	--	756	34,366	-229	190	38,496	587	0	2,669
Renewable Fuels Except Fuel Ethanol .....	--	1,803	--	3,563	2,301	-2,566	421	4,470	209	0	1,371
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	14,809	--	--	-2,011	22,103	871	-6,154	19,018
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	7,706	40,973	-10,219	-928	36,188	3,200	0	25,901
Reformulated .....	--	--	--	567	20,068	-1,700	72	18,861	2	0	13,286
Conventional .....	--	--	--	7,139	20,905	-8,519	-1,000	17,327	3,198	0	12,615
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	744,509	45,440	14,859	12,892	3,580	--	81,712	732,409	36,317
Finished Motor Gasoline .....	--	--	393,051	616	3,148	10,448	480	--	12,492	394,291	2,397
Reformulated .....	--	--	272,572	--	--	-1,309	4	--	--	271,259	18
Conventional .....	--	--	120,479	616	3,148	11,757	476	--	12,492	123,032	2,379
Finished Aviation Gasoline .....	--	--	430	39	24	--	38	--	--	455	222
Kerosene-Type Jet Fuel .....	--	--	105,130	21,178	1,875	--	1,485	--	5,220	121,478	9,971
Kerosene .....	--	--	65	--	--	--	-34	--	17	82	20
Distillate Fuel Oil .....	--	--	137,160	4,136	9,309	2,444	962	--	23,450	128,637	14,804
15 ppm sulfur and under .....	--	--	130,308	3,869	9,309	2,444	715	--	15,152	130,063	13,418
Greater than 15 ppm to 500 ppm sulfur .....	--	--	2,977	54	--	--	44	--	3,529	-542	385
Greater than 500 ppm sulfur .....	--	--	3,875	213	--	--	203	--	4,769	-884	1,001
Residual Fuel Oil <sup>6</sup> .....	--	--	28,278	17,619	599	--	315	--	8,416	37,765	4,475
Less than 0.31 percent sulfur .....	--	--	80	--	--	--	-71	--	NA	NA	213
0.31 to 1.00 percent sulfur .....	--	--	5,274	588	--	--	-14	--	NA	NA	590
Greater than 1.00 percent sulfur .....	--	--	22,924	17,031	--	--	400	--	NA	NA	3,666
Petrochemical Feedstocks .....	--	--	30	302	--	--	1	--	--	331	3
Naphtha for Petro. Feed. Use .....	--	--	30	302	--	--	1	--	--	331	3
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	222	--	--	--	-9	--	--	231	53
Lubricants .....	--	--	4,190	118	-96	--	151	--	1,857	2,204	1,161
Waxes .....	--	--	--	344	--	--	--	--	59	285	--
Petroleum Coke .....	--	--	36,640	235	--	--	369	--	29,862	6,644	1,571
Marketable .....	--	--	28,611	235	--	--	369	--	29,862	-1,385	1,571
Catalyst .....	--	--	8,029	--	--	--	--	--	--	8,029	--
Asphalt and Road Oil .....	--	--	6,031	853	--	--	-183	--	330	6,737	1,570
Still Gas .....	--	--	30,127	--	--	--	--	--	--	30,127	--
Miscellaneous Products .....	--	--	3,155	--	--	--	5	--	9	3,141	70
<b>Total</b> .....	265,118	6,074	761,203	371,072	124,232	18,034	-255	714,657	99,588	731,742	142,846

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NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>990</b>	<b>--</b>	<b>--</b>	<b>1,194</b>	<b>140</b>	<b>98</b>	<b>-143</b>	<b>2,533</b>	<b>32</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>57</b>	<b>0</b>	<b>89</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>39</b>	<b>65</b>	<b>29</b>	<b>37</b>
Pentanes Plus	26	0	--	--	--	--	0	21	0	5
Liquefied Petroleum Gases	31	--	89	24	--	--	39	44	28	32
Ethane/Ethylene	0	--	--	--	--	--	--	--	--	0
Propane/Propylene	11	--	51	21	--	--	20	--	20	43
Normal Butane/Butylene	10	--	31	3	--	--	23	17	8	-4
Isobutane/Isobutylene	10	--	6	--	--	--	-3	27	--	-7
<b>Other Liquids</b>	<b>--</b>	<b>28</b>	<b>--</b>	<b>107</b>	<b>290</b>	<b>-24</b>	<b>-144</b>	<b>584</b>	<b>24</b>	<b>-63</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	28	--	32	142	36	4	231	4	0
Hydrogen	--	--	--	--	--	45	--	45	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	28	--	32	142	-9	4	186	4	0
Fuel Ethanol	--	18	--	8	130	10	-1	165	3	0
Renewable Fuels Except Fuel Ethanol	--	9	--	24	12	-19	5	21	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	31	--	--	-83	175	3	-63
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	44	148	-61	-65	178	17	0
Reformulated	--	--	--	6	74	-4	-15	91	0	0
Conventional	--	--	--	38	74	-57	-49	87	17	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>3,294</b>	<b>235</b>	<b>53</b>	<b>68</b>	<b>50</b>	<b>--</b>	<b>345</b>	<b>3,255</b>
Finished Motor Gasoline	--	--	1,706	2	8	51	11	--	62	1,694
Reformulated	--	--	1,158	--	--	-3	0	--	--	1,154
Conventional	--	--	548	2	8	54	11	--	62	539
Finished Aviation Gasoline	--	--	4	--	--	--	1	--	--	3
Kerosene-Type Jet Fuel	--	--	511	106	8	--	32	--	36	558
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	613	37	36	18	33	--	66	605
15 ppm sulfur and under	--	--	586	32	36	18	29	--	36	607
Greater than 15 ppm to 500 ppm sulfur	--	--	11	--	--	--	2	--	8	1
Greater than 500 ppm sulfur	--	--	16	5	--	--	2	--	22	-3
Residual Fuel Oil <sup>6</sup>	--	--	107	83	--	--	-18	--	27	181
Less than 0.31 percent sulfur	--	--	--	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	27	11	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	81	73	--	--	-18	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	1	--	--	0
Lubricants	--	--	17	1	0	--	6	--	4	8
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	160	1	--	--	-2	--	147	16
Marketable	--	--	123	1	--	--	-2	--	147	-21
Catalyst	--	--	36	--	--	--	--	--	--	36
Asphalt and Road Oil	--	--	31	2	--	--	-11	--	1	43
Still Gas	--	--	129	--	--	--	--	--	--	129
Miscellaneous Products	--	--	14	--	--	--	-1	--	0	15
<b>Total</b>	<b>1,047</b>	<b>27</b>	<b>3,383</b>	<b>1,560</b>	<b>482</b>	<b>142</b>	<b>-198</b>	<b>3,182</b>	<b>429</b>	<b>3,228</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2016**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,024</b>	<b>--</b>	<b>--</b>	<b>1,213</b>	<b>130</b>	<b>33</b>	<b>-16</b>	<b>2,402</b>	<b>14</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>62</b>	<b>0</b>	<b>68</b>	<b>12</b>	<b>--</b>	<b>--</b>	<b>10</b>	<b>70</b>	<b>40</b>	<b>22</b>
Pentanes Plus	29	0	--	--	--	--	0	24	0	4
Liquefied Petroleum Gases	34	--	68	12	--	--	10	46	39	18
Ethane/Ethylene	0	--	--	--	--	--	--	--	--	0
Propane/Propylene	11	--	46	11	--	--	3	--	27	39
Normal Butane/Butylene	11	--	19	1	--	--	7	25	12	-14
Isobutane/Isobutylene	11	--	4	--	--	--	1	21	--	-7
<b>Other Liquids</b>	<b>--</b>	<b>25</b>	<b>--</b>	<b>110</b>	<b>318</b>	<b>-11</b>	<b>-10</b>	<b>457</b>	<b>20</b>	<b>-25</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	25	--	18	150	30	3	218	3	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	25	--	18	150	-11	3	176	3	0
Fuel Ethanol	--	18	--	3	141	-1	1	158	2	0
Renewable Fuels Except Fuel Ethanol	--	7	--	15	9	-11	2	18	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	61	--	--	-8	91	4	-25
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	32	168	-42	-4	148	13	0
Reformulated	--	--	--	2	82	-7	0	77	0	0
Conventional	--	--	--	29	86	-35	-4	71	13	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>3,051</b>	<b>186</b>	<b>61</b>	<b>53</b>	<b>15</b>	<b>--</b>	<b>335</b>	<b>3,002</b>
Finished Motor Gasoline	--	--	1,611	3	13	43	2	--	51	1,616
Reformulated	--	--	1,117	--	--	-5	0	--	--	1,112
Conventional	--	--	494	3	13	48	2	--	51	504
Finished Aviation Gasoline	--	--	2	0	0	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	431	87	8	--	6	--	21	498
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	562	17	38	10	4	--	96	527
15 ppm sulfur and under	--	--	534	16	38	10	3	--	62	533
Greater than 15 ppm to 500 ppm sulfur	--	--	12	0	--	--	0	--	14	-2
Greater than 500 ppm sulfur	--	--	16	1	--	--	1	--	20	-4
Residual Fuel Oil <sup>6</sup>	--	--	116	72	2	--	1	--	34	155
Less than 0.31 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	22	2	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	94	70	--	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	0	0	--	1	--	8	9
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	150	1	--	--	2	--	122	27
Marketable	--	--	117	1	--	--	2	--	122	-6
Catalyst	--	--	33	--	--	--	--	--	--	33
Asphalt and Road Oil	--	--	25	3	--	--	-1	--	1	28
Still Gas	--	--	123	--	--	--	--	--	--	123
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
<b>Total</b>	<b>1,087</b>	<b>25</b>	<b>3,120</b>	<b>1,521</b>	<b>509</b>	<b>74</b>	<b>-1</b>	<b>2,929</b>	<b>408</b>	<b>2,999</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, August 2016**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	1,381	49,928	168,839	20,221	30,684	271,053	8,744
Alaskan .....	--	--	--	--	--	14,226	459
Lower 48 States .....	--	--	--	--	--	256,827	8,285
Imports (PAD District of Entry) .....	27,528	74,311	99,930	10,315	37,015	249,099	8,035
Commercial .....	27,528	74,311	99,930	10,315	37,015	249,099	8,035
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	4,999	-3,280	5,920	-11,977	4,338	--	--
Adjustments <sup>1</sup> .....	4,216	-1,737	1,401	1,255	3,048	8,183	264
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-64	618	-3,330	812	-4,435	-6,399	-206
Commercial .....	--	--	-3,327	--	--	-6,396	-206
SPR .....	--	--	-3	--	--	-3	0
Refinery Inputs .....	34,037	116,117	266,722	18,963	78,525	514,364	16,592
Exports .....	4,152	2,487	12,698	39	995	20,370	657
<b>Ending Stocks</b>							
Total .....	17,615	147,631	941,567	21,725	50,172	1,178,710	--
Commercial .....	17,615	147,631	246,474	21,725	50,172	483,617	--
Refinery .....	12,640	14,544	47,906	2,352	23,061	100,503	--
Tank Farms and Pipelines .....	4,975	133,087	198,568	19,373	24,272	380,275	--
Cushing, Oklahoma .....	--	64,351	--	--	--	64,351	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	2,839	2,839	--
SPR .....	--	--	695,093	--	--	695,093	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	59.0	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	33.7	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	134	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	27,528	74,311	99,930	10,315	37,015	249,099	8,035
PAD District of Processing .....	27,606	68,164	107,816	8,202	37,311	249,099	8,035

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 26. Production of Crude Oil by PAD District and State, August 2016**  
(Thousand Barrels)

PAD District and State	August 2016		January-August 2016	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>1,381</b>	<b>45</b>	<b>11,216</b>	<b>46</b>
Florida .....	163	5	1,308	5
New York .....	24	1	187	1
Pennsylvania .....	486	16	4,301	18
Virginia .....	1	0	6	0
West Virginia .....	708	23	5,414	22
<b>PAD District 2</b> .....	<b>49,928</b>	<b>1,611</b>	<b>417,720</b>	<b>1,712</b>
Illinois .....	741	24	5,796	24
Indiana .....	158	5	1,203	5
Kansas .....	3,016	97	25,347	104
Kentucky .....	195	6	1,585	6
Michigan .....	486	16	3,825	16
Missouri .....	12	0	86	0
Nebraska .....	193	6	1,518	6
North Dakota .....	30,216	975	257,326	1,055
Ohio .....	1,706	55	16,208	66
Oklahoma .....	13,061	421	103,696	425
South Dakota .....	122	4	963	4
Tennessee .....	22	1	168	1
<b>PAD District 3</b> .....	<b>168,839</b>	<b>5,446</b>	<b>1,338,784</b>	<b>5,487</b>
Alabama .....	668	22	5,457	22
Arkansas .....	440	14	3,631	15
Louisiana .....	4,708	152	38,722	159
Mississippi .....	1,827	59	14,425	59
New Mexico .....	12,241	395	97,056	398
Texas .....	97,850	3,156	789,923	3,237
Federal Offshore PAD District 3 .....	51,105	1,649	389,570	1,597
<b>PAD District 4</b> .....	<b>20,221</b>	<b>652</b>	<b>162,686</b>	<b>667</b>
Colorado .....	10,017	323	77,662	318
Montana .....	1,888	61	15,880	65
Utah .....	2,572	83	20,075	82
Wyoming .....	5,744	185	49,069	201
<b>PAD District 5</b> .....	<b>30,684</b>	<b>990</b>	<b>249,890</b>	<b>1,024</b>
Alaska .....	14,226	459	118,786	487
South Alaska .....	488	16	3,832	16
North Slope .....	13,738	443	114,955	471
Arizona .....	0	0	5	0
California .....	15,873	512	126,379	518
Nevada .....	25	1	182	1
Federal Offshore PAD District 5 .....	559	18	4,538	19
<b>U.S. Total</b> .....	<b>271,053</b>	<b>8,744</b>	<b>2,180,296</b>	<b>8,936</b>

– = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids .....	14	11,914	11,928	5,090	6,152	11,635	22,877
Pentanes Plus .....	—	1,209	1,209	523	834	1,779	3,136
Liquefied Petroleum Gases .....	14	10,705	10,719	4,567	5,318	9,856	19,741
Ethane .....	—	4,980	4,980	922	1,628	3,237	5,787
Propane .....	5	3,936	3,941	2,507	2,361	4,350	9,218
Normal Butane .....	9	1,196	1,205	610	1,076	1,261	2,947
Isobutane .....	—	593	593	528	253	1,008	1,789

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids .....	40,944	5,501	5,316	1,245	5,457	58,463	10,336	1,774	105,378
Pentanes Plus .....	5,192	601	677	298	709	7,477	1,923	813	14,558
Liquefied Petroleum Gases .....	35,752	4,900	4,639	947	4,748	50,986	8,413	961	90,820
Ethane .....	15,336	2,202	1,818	338	1,949	21,643	1,787	1	34,198
Propane .....	13,136	1,710	1,773	337	1,826	18,782	4,194	336	36,471
Normal Butane .....	4,572	-1,948	636	157	578	3,995	1,681	304	10,132
Isobutane .....	2,708	2,936	412	115	395	6,566	751	320	10,019

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids .....	5	235	240	1,042	106	688	1,836
Pentanes Plus .....	—	63	63	90	30	98	218
Liquefied Petroleum Gases .....	5	172	177	952	76	590	1,618
Ethane .....	—	—	—	73	2	182	257
Propane .....	2	129	131	593	36	212	841
Normal Butane .....	3	30	33	144	29	129	302
Isobutane .....	—	13	13	142	9	67	218

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids .....	125	2,717	1,469	28	—	4,339	135	476	7,026
Pentanes Plus .....	27	37	177	5	—	246	44	48	619
Liquefied Petroleum Gases .....	98	2,680	1,292	23	—	4,093	91	428	6,407
Ethane .....	1	996	—	—	—	997	2	—	1,256
Propane .....	27	961	35	16	—	1,039	49	47	2,107
Normal Butane .....	64	503	1,215	7	—	1,789	32	327	2,483
Isobutane .....	6	220	42	—	—	268	8	54	561

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>31,034</b>	<b>3,003</b>	<b>34,037</b>	<b>75,135</b>	<b>16,194</b>	<b>24,788</b>	<b>116,117</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>710</b>	<b>-</b>	<b>710</b>	<b>1,702</b>	<b>66</b>	<b>895</b>	<b>2,663</b>
Pentanes Plus .....	98	-	98	446	2	468	916
Liquefied Petroleum Gases .....	612	-	612	1,256	64	427	1,747
Normal Butane .....	217	-	217	18	8	32	58
Isobutane .....	395	-	395	1,238	56	395	1,689
<b>Other Liquids</b> .....	<b>82,991</b>	<b>7,219</b>	<b>90,210</b>	<b>15,477</b>	<b>4,364</b>	<b>4,166</b>	<b>24,007</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	10,318	871	11,189	6,126	1,672	1,941	9,739
Hydrogen .....	100	1	101	677	262	173	1,112
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	10,218	870	11,088	5,412	1,410	1,768	8,590
Fuel Ethanol .....	9,939	805	10,744	5,109	1,261	1,633	8,003
Renewable Diesel Fuel .....	279	65	344	303	149	135	587
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	37	-	-	37
Unfinished Oils (net) .....	1,993	-46	1,947	598	-137	3	464
Naphthas and Lighter .....	757	18	775	597	-134	-60	403
Kerosene and Light Gas Oils .....	-155	-1	-156	-71	40	-4	-35
Heavy Gas Oils .....	869	-65	804	238	-43	77	272
Residuum .....	522	2	524	-166	-	-10	-176
Motor Gasoline Blend.Comp. (MGBC)(net) .....	70,680	6,394	77,074	8,753	2,829	2,222	13,804
Reformulated - RBOB .....	19,960	622	20,582	-378	1,069	994	1,685
Conventional .....	50,720	5,772	56,492	9,131	1,760	1,228	12,119
CBOB .....	41,532	5,773	47,305	8,118	1,922	1,033	11,073
GTAB .....	2,906	-	2,906	-	-	-	-
Other .....	6,282	-1	6,281	1,013	-162	195	1,046
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>114,735</b>	<b>10,222</b>	<b>124,957</b>	<b>92,314</b>	<b>20,624</b>	<b>29,849</b>	<b>142,787</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>21,519</b>	<b>134,561</b>	<b>100,118</b>	<b>6,776</b>	<b>3,748</b>	<b>266,722</b>	<b>18,963</b>	<b>78,525</b>	<b>514,364</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>487</b>	<b>3,889</b>	<b>2,627</b>	<b>54</b>	<b>161</b>	<b>7,218</b>	<b>497</b>	<b>2,019</b>	<b>13,107</b>
Pentanes Plus .....	193	1,290	981	7	—	2,471	194	655	4,334
Liquefied Petroleum Gases .....	294	2,599	1,646	47	161	4,747	303	1,364	8,773
Normal Butane .....	120	864	50	—	—	1,034	119	521	1,949
Isobutane .....	174	1,735	1,596	47	161	3,713	184	843	6,824
<b>Other Liquids</b> .....	<b>9,398</b>	<b>-35,525</b>	<b>-27,625</b>	<b>7,939</b>	<b>-50</b>	<b>-45,863</b>	<b>1,031</b>	<b>18,098</b>	<b>87,483</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	2,135	3,280	2,413	1,242	243	9,313	1,292	7,152	38,685
Hydrogen .....	31	2,200	1,765	63	46	4,105	204	1,397	6,919
Oxygenates (excluding Fuel Ethanol) .....	—	88	—	—	—	88	—	—	88
Methyl Tertiary Butyl Ether (MTBE) .....	—	88	—	—	—	88	—	—	88
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,104	992	648	1,179	197	5,120	1,088	5,755	31,641
Fuel Ethanol .....	2,008	861	452	1,070	163	4,554	1,012	5,102	29,415
Renewable Diesel Fuel .....	96	130	196	109	34	565	76	649	2,221
Other Renewable Fuels .....	—	1	—	—	—	1	—	4	5
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	37
Unfinished Oils (net) .....	-431	756	7,644	-54	89	8,004	-207	5,430	15,638
Naphthas and Lighter .....	-262	-3,816	-1,235	50	38	-5,225	-151	375	-3,823
Kerosene and Light Gas Oils .....	-58	-1,283	585	-84	71	-769	-234	373	-821
Heavy Gas Oils .....	20	4,277	5,555	55	-20	9,887	330	3,216	14,509
Residuum .....	-131	1,578	2,739	-75	—	4,111	-152	1,466	5,773
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,702	-39,561	-37,685	6,751	-382	-63,175	-54	5,516	33,165
Reformulated - RBOB .....	5,975	-10,428	-5,298	—	-694	-10,445	—	2,810	14,632
Conventional .....	1,727	-29,133	-32,387	6,751	312	-52,730	-54	2,706	18,533
CBOB .....	2,054	-34,237	-31,981	6,752	250	-57,162	-60	1,593	2,749
GTAB .....	—	—	—	—	—	—	—	—	2,906
Other .....	-327	5,104	-406	-1	62	4,432	6	1,113	12,878
Aviation Gasoline Blend. Comp. (net) .....	-8	—	3	—	—	-5	—	—	-5
<b>Total Input</b> .....	<b>31,404</b>	<b>102,925</b>	<b>75,120</b>	<b>14,769</b>	<b>3,859</b>	<b>228,077</b>	<b>20,491</b>	<b>98,642</b>	<b>614,954</b>

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	1,553	24	1,577	4,808	566	680	6,054
Ethane/Ethylene .....	16	—	16	—	—	—	—
Ethane .....	—	—	—	—	—	—	—
Ethylene .....	16	—	16	—	—	—	—
Propane/Propylene .....	986	12	998	2,576	465	673	3,714
Propane .....	585	12	597	1,651	260	476	2,387
Propylene .....	401	—	401	925	205	197	1,327
Normal Butane/Butylene .....	554	37	591	2,268	126	108	2,502
Normal Butane .....	620	37	657	2,138	126	108	2,372
Butylene .....	-66	—	-66	130	—	—	130
Isobutane/Isobutylene .....	-3	-25	-28	-36	-25	-101	-162
Isobutane .....	-3	-25	-28	-36	-25	-101	-162
Isobutylene .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	96,200	8,269	104,469	54,470	12,171	17,028	83,669
Reformulated .....	41,190	691	41,881	8,884	1,563	1,160	11,607
Reformulated Blended with Fuel Ethanol .....	41,164	691	41,855	8,884	1,563	1,160	11,607
Reformulated Other .....	26	—	26	—	—	—	—
Conventional .....	55,010	7,578	62,588	45,586	10,608	15,868	72,062
Conventional Blended with Fuel Ethanol .....	57,338	7,350	64,688	41,602	10,977	14,799	67,378
Ed55 and Lower .....	57,304	7,350	64,654	41,594	10,952	14,756	67,302
Greater than Ed55 .....	34	—	34	8	25	43	76
Conventional Other .....	-2,328	228	-2,100	3,984	-369	1,069	4,684
Finished Aviation Gasoline .....	—	—	—	—	59	—	59
Kerosene-Type Jet Fuel .....	2,616	—	2,616	5,994	1,120	1,045	8,159
Kerosene .....	88	—	88	105	—	22	127
Distillate Fuel Oil .....	9,917	846	10,763	18,521	4,469	9,311	32,301
15 ppm sulfur and under .....	9,263	736	9,999	18,210	4,445	9,335	31,990
Greater than 15 ppm to 500 ppm sulfur .....	111	102	213	-48	21	87	60
Greater than 500 ppm sulfur .....	543	8	551	359	3	-111	251
Residual Fuel Oil .....	1,467	10	1,477	1,297	362	126	1,785
Less than 0.31 percent sulfur .....	262	10	272	—	118	—	118
0.31 to 1.00 percent sulfur .....	164	—	164	154	69	—	223
Greater than 1.00 percent sulfur .....	1,041	—	1,041	1,143	175	126	1,444
Petrochemical Feedstocks .....	153	—	153	910	21	16	947
Naphtha for Petro. Feed. Use .....	153	—	153	680	21	—	701
Other Oils for Petro. Feed. Use .....	—	—	—	230	—	16	246
Special Naphthas .....	—	23	23	48	—	17	65
Lubricants .....	223	197	420	—	—	277	277
Waxes .....	—	3	3	—	—	39	39
Petroleum Coke .....	1,109	18	1,127	4,487	835	869	6,191
Marketable .....	418	—	418	3,311	662	679	4,652
Catalyst .....	691	18	709	1,176	173	190	1,539
Asphalt and Road Oil .....	1,563	673	2,236	3,289	1,462	539	5,290
Still Gas .....	1,255	45	1,300	3,086	650	1,047	4,783
Miscellaneous Products .....	57	27	84	342	115	82	539
<b>Total .....</b>	<b>116,201</b>	<b>10,135</b>	<b>126,336</b>	<b>97,357</b>	<b>21,830</b>	<b>31,098</b>	<b>150,285</b>
Processing Gain(-) or Loss(+)¹ .....	-1,466	87	-1,379	-5,043	-1,206	-1,249	-7,498

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	756	8,193	5,665	61	61	14,736	554	2,747	25,668
Ethane/Ethylene .....	1	164	5	—	—	170	—	—	186
Ethane .....	1	153	5	—	—	159	—	—	159
Ethylene .....	—	11	—	—	—	11	—	—	27
Propane/Propylene .....	578	5,713	4,759	42	43	11,135	266	1,579	17,692
Propane .....	193	2,501	2,027	14	43	4,778	254	1,262	9,278
Propylene .....	385	3,212	2,732	28	—	6,357	12	317	8,414
Normal Butane/Butylene .....	199	2,712	718	19	22	3,670	268	973	8,004
Normal Butane .....	202	2,854	886	19	19	3,980	215	985	8,209
Butylene .....	-3	-142	-168	—	3	-310	53	-12	-205
Isobutane/Isobutylene .....	-22	-396	183	—	-4	-239	20	195	-214
Isobutane .....	-22	-339	183	—	-4	-182	20	195	-157
Isobutylene .....	—	-57	—	—	—	-57	—	—	-57
Finished Motor Gasoline .....	21,276	23,054	11,872	9,885	1,873	67,960	10,342	52,890	319,330
Reformulated .....	7,779	6,664	—	—	—	14,443	—	35,887	103,818
Reformulated Blended with Fuel Ethanol .....	7,779	6,664	—	—	—	14,443	—	35,887	103,792
Reformulated Other .....	—	—	—	—	—	—	—	—	26
Conventional .....	13,497	16,390	11,872	9,885	1,873	53,517	10,342	17,003	215,512
Conventional Blended with Fuel Ethanol .....	12,090	1,835	4,498	10,669	1,642	30,734	9,994	14,804	187,598
Ed55 and Lower .....	12,085	1,835	4,498	10,658	1,642	30,718	9,983	14,799	187,456
Greater than Ed55 .....	5	—	—	11	—	16	11	5	142
Conventional Other .....	1,407	14,555	7,374	-784	231	22,783	348	2,199	27,914
Finished Aviation Gasoline .....	73	69	94	—	—	236	7	121	423
Kerosene-Type Jet Fuel .....	1,508	14,065	11,788	210	—	27,571	1,280	15,843	55,469
Kerosene .....	2	-48	320	4	—	278	—	5	498
Distillate Fuel Oil .....	6,388	40,833	33,869	2,475	1,686	85,251	5,975	19,009	153,299
15 ppm sulfur and under .....	6,200	39,146	29,459	2,436	1,686	78,927	5,898	18,167	144,981
Greater than 15 ppm to 500 ppm sulfur .....	7	274	2,350	25	—	2,656	38	343	3,310
Greater than 500 ppm sulfur .....	181	1,413	2,060	14	—	3,668	39	499	5,008
Residual Fuel Oil .....	270	2,066	3,780	-108	118	6,126	371	3,323	13,082
Less than 0.31 percent sulfur .....	233	50	539	—	—	822	231	—	1,443
0.31 to 1.00 percent sulfur .....	—	138	131	-108	29	190	27	826	1,430
Greater than 1.00 percent sulfur .....	37	1,878	3,110	—	89	5,114	113	2,497	10,209
Petrochemical Feedstocks .....	108	5,894	1,833	—	—	7,835	—	4	8,939
Naphtha for Petro. Feed. Use .....	112	4,033	756	—	—	4,901	—	4	5,759
Other Oils for Petro. Feed. Use .....	-4	1,861	1,077	—	—	2,934	—	—	3,180
Special Naphthas .....	105	672	—	223	—	1,000	—	34	1,122
Lubricants .....	28	1,883	1,651	638	—	4,200	—	538	5,435
Waxes .....	—	38	38	32	—	108	—	—	150
Petroleum Coke .....	510	9,036	6,383	132	38	16,099	749	4,954	29,120
Marketable .....	255	7,004	5,003	116	—	12,378	520	3,825	21,793
Catalyst .....	255	2,032	1,380	16	38	3,721	229	1,129	7,327
Asphalt and Road Oil .....	209	537	844	992	28	2,610	1,242	967	12,345
Still Gas .....	820	6,206	4,376	193	84	11,679	790	3,991	22,543
Miscellaneous Products .....	112	1,000	622	15	10	1,759	99	442	2,923
<b>Total .....</b>	<b>32,165</b>	<b>113,498</b>	<b>83,135</b>	<b>14,752</b>	<b>3,898</b>	<b>247,448</b>	<b>21,409</b>	<b>104,868</b>	<b>650,346</b>
Processing Gain(-) or Loss(+)¹ .....	-761	-10,573	-8,015	17	-39	-19,371	-918	-6,226	-35,392

— = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>31,034</b>	<b>3,003</b>	<b>34,037</b>	<b>75,135</b>	<b>16,194</b>	<b>24,788</b>	<b>116,117</b>
<b>Natural Gas Plant Liquids</b> .....	<b>395</b>	<b>—</b>	<b>395</b>	<b>1,700</b>	<b>56</b>	<b>825</b>	<b>2,581</b>
Pentanes Plus .....	—	—	—	446	—	429	875
Liquefied Petroleum Gases .....	395	—	395	1,254	56	396	1,706
Normal Butane .....	—	—	—	16	—	1	17
Isobutane .....	395	—	395	1,238	56	395	1,689
<b>Other Liquids</b> .....	<b>-12,386</b>	<b>76</b>	<b>-12,310</b>	<b>-31,894</b>	<b>-5,812</b>	<b>-10,508</b>	<b>-48,214</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	179	117	296	977	451	269	1,697
Hydrogen .....	100	1	101	677	262	173	1,112
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	79	116	195	263	189	96	548
Fuel Ethanol .....	79	93	172	161	149	90	400
Renewable Diesel Fuel .....	—	23	23	102	40	6	148
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	37	—	—	37
Unfinished Oils (net) .....	1,990	-45	1,945	712	-137	3	578
Naphthas and Lighter .....	757	18	775	597	-134	-60	403
Kerosene and Light Gas Oils .....	-155	—	-155	74	40	-4	110
Heavy Gas Oils .....	866	-65	801	238	-43	77	272
Residuum .....	522	2	524	-197	—	-10	-207
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-14,555	4	-14,551	-33,583	-6,126	-10,780	-50,489
Reformulated - RBOB .....	-10,155	—	-10,155	-8,378	-336	-50	-8,764
Conventional .....	-4,400	4	-4,396	-25,205	-5,790	-10,730	-41,725
CBOB .....	-4,572	5	-4,567	-25,106	-5,570	-10,925	-41,601
GTAB .....	—	—	—	—	—	—	—
Other .....	172	-1	171	-99	-220	195	-124
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input to Refineries</b> .....	<b>19,043</b>	<b>3,079</b>	<b>22,122</b>	<b>44,941</b>	<b>10,438</b>	<b>15,105</b>	<b>70,484</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	995	97	1,092	2,425	525	800	3,750
Operable Capacity (daily average) .....	1,179	98	1,278	2,562	510	862	3,934
Operable Utilization Rate (percent) <sup>2</sup> .....	84.3	99.0	85.5	94.7	102.9	92.8	95.3
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	162	17	179	472	77	146	695
Catalytic Cracking .....	377	14	391	809	147	213	1,169
Catalytic Hydrocracking .....	38	—	38	181	50	44	276
Delayed and Fluid Coking .....	58	—	58	353	64	83	500
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	1.04	1.67	1.10	1.72	2.05	0.72	1.55
API Gravity, Weighted Average (degrees) .....	32.04	32.54	32.09	30.48	28.55	37.32	31.62
<b>Operable Capacity (daily average)</b> .....	<b>1,179</b>	<b>98</b>	<b>1,278</b>	<b>2,562</b>	<b>510</b>	<b>862</b>	<b>3,934</b>
Operating .....	1,179	98	1,278	2,540	510	862	3,912
Idle .....	—	—	—	22	—	—	22
<b>Alaskan Crude Oil Receipts</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>21,519</b>	<b>134,561</b>	<b>100,118</b>	<b>6,776</b>	<b>3,748</b>	<b>266,722</b>	<b>18,963</b>	<b>78,525</b>	<b>514,364</b>
<b>Natural Gas Plant Liquids</b>	<b>479</b>	<b>3,668</b>	<b>2,624</b>	<b>54</b>	<b>161</b>	<b>6,986</b>	<b>469</b>	<b>2,019</b>	<b>12,450</b>
Pentanes Plus	185	1,163	981	7	—	2,336	180	655	4,046
Liquefied Petroleum Gases	294	2,505	1,643	47	161	4,650	289	1,364	8,404
Normal Butane	120	770	47	—	—	937	105	521	1,580
Isobutane	174	1,735	1,596	47	161	3,713	184	843	6,824
<b>Other Liquids</b>	<b>-8,522</b>	<b>-47,001</b>	<b>-30,652</b>	<b>-1,631</b>	<b>-1,180</b>	<b>-88,986</b>	<b>-3,853</b>	<b>-30,289</b>	<b>-183,652</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	252	2,400	2,023	126	96	4,897	591	1,652	9,133
Hydrogen	31	2,200	1,765	63	46	4,105	204	1,397	6,919
Oxygenates (excluding Fuel Ethanol)	—	88	—	—	—	88	—	—	88
Methyl Tertiary Butyl Ether (MTBE)	—	88	—	—	—	88	—	—	88
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	221	112	258	63	50	704	387	255	2,089
Fuel Ethanol	184	50	159	32	50	475	336	88	1,471
Renewable Diesel Fuel	37	61	99	31	—	228	51	163	613
Other Renewable Fuels	—	1	—	—	—	1	—	4	5
Other Hydrocarbons	—	—	—	—	—	—	—	—	37
Unfinished Oils (net)	-431	756	7,618	-54	89	7,978	-207	5,430	15,724
Naphthas and Lighter	-262	-3,816	-1,235	50	38	-5,225	-151	375	-3,823
Kerosene and Light Gas Oils	-58	-1,283	578	-84	71	-776	-234	373	-682
Heavy Gas Oils	20	4,277	5,536	55	-20	9,868	330	3,216	14,487
Residuum	-131	1,578	2,739	-75	—	4,111	-152	1,466	5,742
Motor Gasoline Blend Comp. (MGBBC)(net)	-8,335	-50,157	-40,296	-1,703	-1,365	-101,856	-4,237	-37,371	-208,504
Reformulated - RBOB	-1,038	-15,020	-5,298	—	-694	-22,050	—	-28,847	-69,816
Conventional	-7,297	-35,137	-34,998	-1,703	-671	-79,806	-4,237	-8,524	-138,688
CBOB	-6,970	-32,245	-33,726	-1,668	-733	-75,342	-4,233	-9,589	-135,332
GTAB	—	—	—	—	—	—	—	—	—
Other	-327	-2,892	-1,272	-35	62	-4,464	-4	1,065	-3,356
Aviation Gasoline Blend. Comp. (net)	-8	—	3	—	—	-5	—	—	-5
<b>Total Input to Refineries</b>	<b>13,476</b>	<b>91,228</b>	<b>72,090</b>	<b>5,199</b>	<b>2,729</b>	<b>184,722</b>	<b>15,579</b>	<b>50,255</b>	<b>343,162</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average)	679	4,431	3,373	199	121	8,804	611	2,718	16,975
Operable Capacity (daily average)	704	4,838	3,692	243	128	9,605	696	2,924	18,436
Operable Utilization Rate (percent) <sup>2</sup>	96.5	91.6	91.4	81.9	94.8	91.7	87.8	93.0	92.1
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming	145	671	534	25	27	1,402	102	433	2,810
Catalytic Cracking	186	1,335	1,035	19	35	2,610	166	775	5,111
Catalytic Hydrocracking	53	532	438	16	—	1,039	19	510	1,882
Delayed and Fluid Coking	32	789	555	22	—	1,399	62	501	2,519
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent)	0.71	1.59	1.53	1.49	0.69	1.47	1.35	1.34	1.44
API Gravity, Weighted Average (degrees)	38.95	30.92	30.86	31.75	38.59	31.69	33.29	27.45	31.10
<b>Operable Capacity (daily average)</b>	<b>704</b>	<b>4,838</b>	<b>3,692</b>	<b>243</b>	<b>128</b>	<b>9,605</b>	<b>696</b>	<b>2,924</b>	<b>18,436</b>
Operating	704	4,838	3,692	243	128	9,605	683	2,840	18,316
Idle	—	—	—	—	—	—	13	85	120
<b>Alaskan Crude Oil Receipts</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13,971</b>	<b>13,971</b>

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	1,553	24	1,577	4,808	566	680	6,054
Ethane/Ethylene .....	16	—	16	—	—	—	—
Ethane .....	—	—	—	—	—	—	—
Ethylene .....	16	—	16	—	—	—	—
Propane/Propylene .....	986	12	998	2,576	465	673	3,714
Propane .....	585	12	597	1,651	260	476	2,387
Propylene .....	401	—	401	925	205	197	1,327
Normal Butane/Butylene .....	554	37	591	2,268	126	108	2,502
Normal Butane .....	620	37	657	2,138	126	108	2,372
Butylene .....	-66	—	-66	130	—	—	130
Isobutane/Isobutylene .....	-3	-25	-28	-36	-25	-101	-162
Isobutane .....	-3	-25	-28	-36	-25	-101	-162
Isobutylene .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	777	1,168	1,945	7,203	2,093	2,408	11,704
Reformulated .....	777	—	777	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	777	—	777	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	1,168	1,168	7,203	2,093	2,408	11,704
Conventional Blended with Fuel Ethanol .....	—	928	928	1,643	1,498	949	4,090
Ed55 and Lower .....	—	928	928	1,643	1,498	949	4,090
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	240	240	5,560	595	1,459	7,614
Finished Aviation Gasoline .....	—	—	—	—	59	—	59
Kerosene-Type Jet Fuel .....	2,617	—	2,617	6,243	1,125	1,046	8,414
Commercial .....	2,617	—	2,617	6,243	1,092	942	8,277
Military .....	—	—	—	—	33	104	137
Kerosene .....	80	—	80	105	—	22	127
Distillate Fuel Oil .....	9,720	805	10,525	18,198	4,362	9,187	31,747
15 ppm sulfur and under .....	9,183	695	9,878	17,886	4,338	9,211	31,435
Greater than 15 ppm to 500 ppm sulfur .....	75	102	177	-47	21	-29	-55
Greater than 500 ppm sulfur .....	462	8	470	359	3	5	367
Residual Fuel Oil .....	1,396	10	1,406	1,297	362	124	1,783
Less than 0.31 percent sulfur .....	227	10	237	—	118	—	118
0.31 to 1.00 percent sulfur .....	164	—	164	154	69	—	223
Greater than 1.00 percent sulfur .....	1,005	—	1,005	1,143	175	124	1,442
Petrochemical Feedstocks .....	153	—	153	910	21	16	947
Naphtha for Petro. Feed. Use .....	153	—	153	680	21	—	701
Other Oils for Petro. Feed. Use .....	—	—	—	230	—	16	246
Special Naphthas .....	—	23	23	48	—	17	65
Lubricants .....	223	197	420	—	—	277	277
Naphthenic .....	—	—	—	—	—	—	—
Paraffinic .....	223	197	420	—	—	277	277
Waxes .....	—	3	3	—	—	39	39
Petroleum Coke .....	1,109	18	1,127	4,487	835	869	6,191
Marketable .....	418	—	418	3,311	662	679	4,652
Catalyst .....	691	18	709	1,176	173	190	1,539
Asphalt and Road Oil .....	1,560	673	2,233	3,258	1,457	535	5,250
Still Gas .....	1,255	45	1,300	3,086	650	1,047	4,783
Miscellaneous Products .....	57	27	84	342	115	82	539
Fuel Use .....	—	—	—	—	—	—	—
Nonfuel Use .....	57	27	84	342	115	82	539
<b>Total .....</b>	<b>20,500</b>	<b>2,993</b>	<b>23,493</b>	<b>49,985</b>	<b>11,645</b>	<b>16,349</b>	<b>77,979</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,457	86	-1,371	-5,044	-1,207	-1,244	-7,495

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	756	8,193	5,665	61	61	14,736	554	2,747	25,668
Ethane/Ethylene .....	1	164	5	—	—	170	—	—	186
Ethane .....	1	153	5	—	—	159	—	—	159
Ethylene .....	—	11	—	—	—	11	—	—	27
Propane/Propylene .....	578	5,713	4,759	42	43	11,135	266	1,579	17,692
Propane .....	193	2,501	2,027	14	43	4,778	254	1,262	9,278
Propylene .....	385	3,212	2,732	28	—	6,357	12	317	8,414
Normal Butane/Butylene .....	199	2,712	718	19	22	3,670	268	973	8,004
Normal Butane .....	202	2,854	886	19	19	3,980	215	985	8,209
Butylene .....	-3	-142	-168	—	3	-310	53	-12	-205
Isobutane/Isobutylene .....	-22	-396	183	—	-4	-239	20	195	-214
Isobutane .....	-22	-339	183	—	-4	-182	20	195	-157
Isobutylene .....	—	-57	—	—	—	-57	—	—	-57
Finished Motor Gasoline .....	3,411	11,427	8,966	391	777	24,972	5,455	4,982	49,058
Reformulated .....	—	—	—	—	—	—	—	640	1,417
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	640	1,417
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	3,411	11,427	8,966	391	777	24,972	5,455	4,342	47,641
Conventional Blended with Fuel Ethanol .....	1,798	501	1,583	354	501	4,737	3,384	243	13,382
Ed55 and Lower .....	1,793	501	1,583	354	501	4,732	3,384	243	13,377
Greater than Ed55 .....	5	—	—	—	—	5	—	—	5
Conventional Other .....	1,613	10,926	7,383	37	276	20,235	2,071	4,099	34,259
Finished Aviation Gasoline .....	73	69	94	—	—	236	7	123	425
Kerosene-Type Jet Fuel .....	1,508	14,018	11,772	210	—	27,508	1,225	15,844	55,608
Commercial .....	1,260	12,563	11,537	117	—	25,477	1,163	15,405	52,939
Military .....	248	1,455	235	93	—	2,031	62	439	2,669
Kerosene .....	2	-1	319	4	—	324	—	2	533
Distillate Fuel Oil .....	6,329	40,763	33,788	2,397	1,653	84,930	6,005	18,525	151,732
15 ppm sulfur and under .....	6,141	39,147	29,378	2,358	1,653	78,677	5,928	17,690	143,608
Greater than 15 ppm to 500 ppm sulfur .....	7	249	2,350	25	—	2,631	38	343	3,134
Greater than 500 ppm sulfur .....	181	1,367	2,060	14	—	3,622	39	492	4,990
Residual Fuel Oil .....	270	2,066	3,754	-108	118	6,100	371	3,323	12,983
Less than 0.31 percent sulfur .....	233	—	539	—	—	772	231	—	1,358
0.31 to 1.00 percent sulfur .....	—	196	131	-108	29	248	27	826	1,488
Greater than 1.00 percent sulfur .....	37	1,870	3,084	—	89	5,080	113	2,497	10,137
Petrochemical Feedstocks .....	108	5,894	1,833	—	—	7,835	—	4	8,939
Naphtha for Petro. Feed. Use .....	112	4,033	756	—	—	4,901	—	4	5,759
Other Oils for Petro. Feed. Use .....	-4	1,861	1,077	—	—	2,934	—	—	3,180
Special Naphthas .....	105	672	—	223	—	1,000	—	34	1,122
Lubricants .....	28	1,883	1,651	638	—	4,200	—	538	5,435
Naphthenic .....	28	57	—	413	—	498	—	105	603
Paraffinic .....	—	1,826	1,651	225	—	3,702	—	433	4,832
Waxes .....	—	38	38	32	—	108	—	—	150
Petroleum Coke .....	510	9,036	6,383	132	38	16,099	749	4,954	29,120
Marketable .....	255	7,004	5,003	116	—	12,378	520	3,825	21,793
Catalyst .....	255	2,032	1,380	16	38	3,721	229	1,129	7,327
Asphalt and Road Oil .....	209	537	844	992	28	2,610	1,242	967	12,302
Still Gas .....	820	6,206	4,376	193	84	11,679	790	3,991	22,543
Miscellaneous Products .....	112	1,000	622	15	10	1,759	99	442	2,923
Fuel Use .....	—	—	—	—	—	—	—	44	44
Nonfuel Use .....	112	1,000	622	15	10	1,759	99	398	2,879
<b>Total .....</b>	<b>14,241</b>	<b>101,801</b>	<b>80,105</b>	<b>5,180</b>	<b>2,769</b>	<b>204,096</b>	<b>16,497</b>	<b>56,476</b>	<b>378,541</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-765	-10,573	-8,015	19	-40	-19,374	-918	-6,221	-35,379

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids and Liquefied							
Refinery Gases .....	315	—	315	2	10	70	82
Pentanes Plus .....	98	—	98	—	2	39	41
Liquefied Petroleum Gases .....	217	—	217	2	8	31	41
Normal Butane .....	217	—	217	2	8	31	41
Isobutane .....	—	—	—	—	—	—	—
Other Liquids .....	95,377	7,143	102,520	47,371	10,176	14,674	72,221
Oxygenates/Renewables .....	10,139	754	10,893	5,149	1,221	1,672	8,042
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	10,139	754	10,893	5,149	1,221	1,672	8,042
Fuel Ethanol .....	9,860	712	10,572	4,948	1,112	1,543	7,603
Renewable Diesel Fuel .....	279	42	321	201	109	129	439
Other Renewable Fuels .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	3	-1	2	-114	—	—	-114
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	-1	-1	-145	—	—	-145
Heavy Gas Oils .....	3	—	3	—	—	—	—
Residium .....	—	—	—	31	—	—	31
Motor Gasoline Blend.Comp. (MGBC)(net) .....	85,235	6,390	91,625	42,336	8,955	13,002	64,293
Reformulated - RBOB .....	30,115	622	30,737	8,000	1,405	1,044	10,449
Conventional .....	55,120	5,768	60,888	34,336	7,550	11,958	53,844
CBOB .....	46,104	5,768	51,872	33,224	7,492	11,958	52,674
GTAB .....	2,906	—	2,906	—	—	—	—
Other .....	6,110	—	6,110	1,112	58	—	1,170
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
Total Input .....	95,692	7,143	102,835	47,373	10,186	14,744	72,303

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids and Liquefied									
Refinery Gases .....	8	221	3	—	—	232	28	—	657
Pentanes Plus .....	8	127	—	—	—	135	14	—	288
Liquefied Petroleum Gases .....	—	94	3	—	—	97	14	—	369
Normal Butane .....	—	94	3	—	—	97	14	—	369
Isobutane .....	—	—	—	—	—	—	—	—	—
Other Liquids .....	17,920	11,476	3,027	9,570	1,130	43,123	4,884	48,387	271,135
Oxygenates/Renewables .....	1,883	880	390	1,116	147	4,416	701	5,500	29,552
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,883	880	390	1,116	147	4,416	701	5,500	29,552
Fuel Ethanol .....	1,824	811	293	1,038	113	4,079	676	5,014	27,944
Renewable Diesel Fuel .....	59	69	97	78	34	337	25	486	1,608
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	—	26	—	—	26	—	—	-86
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	7	—	—	7	—	—	-139
Heavy Gas Oils .....	—	—	19	—	—	19	—	—	22
Residium .....	—	—	—	—	—	—	—	—	31
Motor Gasoline Blend.Comp. (MGBC)(net) .....	16,037	10,596	2,611	8,454	983	38,681	4,183	42,887	241,669
Reformulated - RBOB .....	7,013	4,592	—	—	—	11,605	—	31,657	84,448
Conventional .....	9,024	6,004	2,611	8,454	983	27,076	4,183	11,230	157,221
CBOB .....	9,024	-1,992	1,745	8,420	983	18,180	4,173	11,182	138,081
GTAB .....	—	—	—	—	—	—	—	—	2,906
Other .....	—	7,996	866	34	—	8,896	10	48	16,234
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
Total Input .....	17,928	11,697	3,030	9,570	1,130	43,355	4,912	48,387	271,792

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	95,423	7,101	102,524	47,267	10,078	14,620	71,965
Reformulated .....	40,413	691	41,104	8,884	1,563	1,160	11,607
Reformulated Blended with Fuel Ethanol .....	40,387	691	41,078	8,884	1,563	1,160	11,607
Reformulated Other .....	26	-	26	-	-	-	-
Conventional .....	55,010	6,410	61,420	38,383	8,515	13,460	60,358
Conventional Blended with Fuel Ethanol .....	57,338	6,422	63,760	39,959	9,479	13,850	63,288
Ed55 and Lower .....	57,304	6,422	63,726	39,951	9,454	13,807	63,212
Greater than Ed55 .....	34	-	34	8	25	43	76
Conventional Other .....	-2,328	-12	-2,340	-1,576	-964	-390	-2,930
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-1	-	-1	-249	-5	-1	-255
Kerosene .....	8	-	8	-	-	-	-
Distillate Fuel Oil .....	197	41	238	323	107	124	554
15 ppm sulfur and under .....	80	41	121	324	107	124	555
Greater than 15 ppm to 500 ppm sulfur .....	36	0	36	-1	-	116	115
Greater than 500 ppm sulfur .....	81	-	81	-	-	-116	-116
Residual Fuel Oil .....	71	-	71	-	-	2	2
Less than 0.31 percent sulfur .....	35	-	35	-	-	-	-
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-
Greater than 1.00 percent sulfur .....	36	-	36	-	-	2	2
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	3	-	3	31	5	4	40
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>95,701</b>	<b>7,142</b>	<b>102,843</b>	<b>47,372</b>	<b>10,185</b>	<b>14,749</b>	<b>72,306</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-9	1	-8	1	1	-5	-3

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	17,865	11,627	2,906	9,494	1,096	42,988	4,887	47,908	270,272
Reformulated .....	7,779	6,664	-	-	-	14,443	-	35,247	102,401
Reformulated Blended with Fuel Ethanol .....	7,779	6,664	-	-	-	14,443	-	35,247	102,375
Reformulated Other .....	-	-	-	-	-	-	-	-	26
Conventional .....	10,086	4,963	2,906	9,494	1,096	28,545	4,887	12,661	167,871
Conventional Blended with Fuel Ethanol .....	10,292	1,334	2,915	10,315	1,141	25,997	6,610	14,561	174,216
Ed55 and Lower .....	10,292	1,334	2,915	10,304	1,141	25,986	6,599	14,556	174,079
Greater than Ed55 .....	-	-	-	11	-	11	11	5	137
Conventional Other .....	-206	3,629	-9	-821	-45	2,548	-1,723	-1,900	-6,345
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-2	-2
Kerosene-Type Jet Fuel .....	-	47	16	-	-	63	55	-1	-139
Kerosene .....	-	-47	1	-	-	-46	-	3	-35
Distillate Fuel Oil .....	59	70	81	78	33	321	-30	484	1,567
15 ppm sulfur and under .....	59	-1	81	78	33	250	-30	477	1,373
Greater than 15 ppm to 500 ppm sulfur .....	-	25	-	-	-	25	-	-	176
Greater than 500 ppm sulfur .....	-	46	-	-	-	46	-	7	18
Residual Fuel Oil .....	-	0	26	-	-	26	-	-	99
Less than 0.31 percent sulfur .....	-	50	-	-	-	50	-	-	85
0.31 to 1.00 percent sulfur .....	-	-58	-	-	-	-58	-	-	-58
Greater than 1.00 percent sulfur .....	-	8	26	-	-	34	-	-	72
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	43
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>17,924</b>	<b>11,697</b>	<b>3,030</b>	<b>9,572</b>	<b>1,129</b>	<b>43,352</b>	<b>4,912</b>	<b>48,392</b>	<b>271,805</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	4	0	0	-2	1	3	0	-5	-13

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>11,896</b>	<b>744</b>	<b>12,640</b>	<b>10,858</b>	<b>1,975</b>	<b>1,711</b>	<b>14,544</b>
<b>Petroleum Products</b> .....	<b>15,745</b>	<b>1,942</b>	<b>17,687</b>	<b>30,399</b>	<b>8,062</b>	<b>11,550</b>	<b>50,011</b>
Pentanes Plus .....	—	—	—	69	—	259	328
Liquefied Petroleum Gases .....	755	50	805	3,742	652	1,531	5,925
Ethane/Ethylene .....	—	—	—	—	—	—	—
Propane/Propylene .....	159	1	160	1,062	45	1,141	2,248
Normal Butane/Butylene .....	448	34	482	2,462	528	193	3,183
Isobutane/Isobutylene .....	148	15	163	218	79	197	494
Oxygenates/Renewable Fuels/Other Hydrocarbons ....	104	91	195	62	51	36	149
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	104	91	195	48	51	36	135
Fuel Ethanol .....	104	86	190	29	39	32	100
Renewable Diesel Fuel .....	—	5	5	19	12	4	35
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	14	—	—	14
Unfinished Oils .....	4,712	426	5,138	8,012	661	3,738	12,411
Naphthas and Lighter .....	1,016	245	1,261	1,855	218	1,018	3,091
Kerosene and Light Gas Oils .....	597	—	597	2,242	160	433	2,835
Heavy Gas Oils .....	2,311	170	2,481	2,550	283	1,632	4,465
Residuum .....	788	11	799	1,365	—	655	2,020
Motor Gasoline Blending Components (MGBC) .....	4,808	221	5,029	7,859	2,078	2,634	12,571
Reformulated - RBOB .....	1,577	—	1,577	1,199	70	—	1,269
Conventional .....	3,231	221	3,452	6,660	2,008	2,634	11,302
CBOB .....	568	140	708	2,611	1,234	1,591	5,436
GTAB .....	—	—	—	—	—	—	—
Other .....	2,663	81	2,744	4,049	774	1,043	5,866
Aviation Gasoline Blending Components .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	—	39	39	925	140	297	1,362
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	39	39	925	140	297	1,362
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	39	39	925	140	297	1,362
Finished Aviation Gasoline .....	—	—	—	—	68	—	68
Kerosene-Type Jet Fuel .....	630	—	630	1,412	324	260	1,996
Kerosene .....	189	1	190	113	—	25	138
Distillate Fuel Oil .....	2,387	176	2,563	3,933	1,212	1,915	7,060
15 ppm sulfur and under .....	1,856	45	1,901	3,629	1,140	1,346	6,115
Greater than 15 ppm to 500 ppm sulfur .....	33	117	150	—	38	81	119
Greater than 500 ppm sulfur .....	498	14	512	304	34	488	826
Residual Fuel Oil .....	642	30	672	830	271	38	1,139
Less than 0.31 percent sulfur .....	40	28	68	—	72	—	72
0.31 to 1.00 percent sulfur .....	108	2	110	71	17	—	88
Greater than 1.00 percent sulfur .....	494	—	494	759	182	38	979
Petrochemical Feedstocks .....	155	—	155	505	64	—	569
Naphtha for Petro. Feed. Use .....	155	—	155	360	64	—	424
Other Oils for Petro. Feed. Use .....	—	—	—	145	—	—	145
Special Naphthas .....	—	13	13	51	—	11	62
Lubricants .....	431	298	729	—	—	230	230
Waxes .....	—	289	289	—	—	43	43
Petroleum Coke .....	—	—	—	403	539	61	1,003
Marketable .....	—	—	—	403	539	61	1,003
Catalyst .....	—	—	—	—	—	—	—
Asphalt and Road Oil .....	921	284	1,205	2,394	1,983	467	4,844
Miscellaneous Products .....	11	24	35	89	19	5	113
<b>Total Stocks, All Oils</b> .....	<b>27,641</b>	<b>2,686</b>	<b>30,327</b>	<b>41,257</b>	<b>10,037</b>	<b>13,261</b>	<b>64,555</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>1,793</b>	<b>27,266</b>	<b>17,281</b>	<b>1,254</b>	<b>312</b>	<b>47,906</b>	<b>2,352</b>	<b>23,061</b>	<b>100,503</b>
<b>Petroleum Products</b>	<b>10,835</b>	<b>53,582</b>	<b>50,475</b>	<b>3,792</b>	<b>1,406</b>	<b>120,090</b>	<b>10,177</b>	<b>50,503</b>	<b>248,468</b>
Pentanes Plus	—	53	472	—	—	525	21	1	875
Liquefied Petroleum Gases	3,304	1,312	5,492	9	95	10,212	371	1,742	19,055
Ethane/Ethylene	278	—	—	—	—	278	—	—	278
Propane/Propylene	1,582	71	1,367	2	1	3,023	34	111	5,576
Normal Butane/Butylene	1,180	1,012	3,479	1	82	5,754	217	1,084	10,720
Isobutane/Isobutylene	264	229	646	6	12	1,157	120	547	2,481
Oxygenates/Renewable Fuels/Other Hydrocarbons	44	139	205	100	5	493	118	383	1,338
Oxygenates (excluding Fuel Ethanol)	—	63	—	—	—	63	—	—	63
Methyl Tertiary Butyl Ether (MTBE)	—	63	—	—	—	63	—	—	63
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	44	76	205	100	5	430	118	383	1,261
Fuel Ethanol	37	47	87	35	5	211	106	32	639
Renewable Diesel Fuel	7	29	118	65	—	219	12	319	590
Other Renewable Fuels	—	—	—	—	—	—	—	32	32
Other Hydrocarbons	—	—	—	—	—	—	—	—	14
Unfinished Oils	2,376	20,824	15,709	942	617	40,468	3,062	18,600	79,679
Naphthas and Lighter	811	6,260	2,489	180	258	9,998	650	3,075	18,075
Kerosene and Light Gas Oils	667	3,638	2,167	193	208	6,873	562	3,148	14,015
Heavy Gas Oils	297	8,376	8,279	470	151	17,573	1,322	10,050	35,891
Residuum	601	2,550	2,774	99	—	6,024	528	2,327	11,698
Motor Gasoline Blending Components (MGBC)	2,328	11,306	12,124	336	259	26,353	2,685	12,563	59,201
Reformulated - RBOB	206	1,087	573	—	—	1,866	—	4,995	9,707
Conventional	2,122	10,219	11,551	336	259	24,487	2,685	7,568	49,494
CBOB	914	3,359	5,948	209	74	10,504	1,191	1,701	19,540
GTAB	—	—	—	—	—	—	—	—	—
Other	1,208	6,860	5,603	127	185	13,983	1,494	5,867	29,954
Aviation Gasoline Blending Components	16	—	—	—	—	16	—	—	16
Finished Motor Gasoline	475	1,572	1,611	1	73	3,732	968	1,182	7,283
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	475	1,572	1,611	1	73	3,732	968	1,164	7,265
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	48	—	48
Ed55 and Lower	—	—	—	—	—	—	48	—	48
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	475	1,572	1,611	1	73	3,732	920	1,164	7,217
Finished Aviation Gasoline	23	112	95	—	—	230	10	155	463
Kerosene-Type Jet Fuel	397	2,908	2,066	74	—	5,445	404	4,214	12,689
Kerosene	57	6	51	5	—	119	2	4	453
Distillate Fuel Oil	1,038	5,966	6,702	307	106	14,119	1,416	5,775	30,933
15 ppm sulfur and under	832	5,491	4,697	219	106	11,345	1,175	4,663	25,199
Greater than 15 ppm to 500 ppm sulfur	19	78	1,057	37	—	1,191	120	382	1,962
Greater than 500 ppm sulfur	187	397	948	51	—	1,583	121	730	3,772
Residual Fuel Oil	80	1,903	1,608	28	78	3,697	203	2,665	8,376
Less than 0.31 percent sulfur	6	—	158	—	—	164	5	—	309
0.31 to 1.00 percent sulfur	—	118	53	28	6	205	9	435	847
Greater than 1.00 percent sulfur	74	1,785	1,397	—	72	3,328	189	2,230	7,220
Petrochemical Feedstocks	138	1,604	458	2	—	2,202	—	3	2,929
Naphtha for Petro. Feed. Use	46	962	256	2	—	1,266	—	3	1,848
Other Oils for Petro. Feed. Use	92	642	202	—	—	936	—	—	1,081
Special Naphthas	123	713	—	71	—	907	—	53	1,035
Lubricants	45	2,456	2,131	750	—	5,382	—	923	7,264
Waxes	—	73	106	54	—	233	—	—	565
Petroleum Coke	30	2,159	938	—	—	3,127	99	1,571	5,800
Marketable	30	2,159	938	—	—	3,127	99	1,571	5,800
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	258	256	610	1,113	171	2,408	801	599	9,857
Miscellaneous Products	103	220	97	—	2	422	17	70	657
<b>Total Stocks, All Oils</b>	<b>12,628</b>	<b>80,848</b>	<b>67,756</b>	<b>5,046</b>	<b>1,718</b>	<b>167,996</b>	<b>12,529</b>	<b>73,564</b>	<b>348,971</b>

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, August 2016

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	4.7	0.8	4.4	6.3	3.5	2.7	5.1
Finished Motor Gasoline <sup>1</sup> .....	44.9	36.2	44.2	50.8	49.1	49.2	50.3
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.4	—	0.1
Kerosene-Type Jet Fuel .....	7.9	—	7.3	8.2	6.9	4.2	7.1
Kerosene .....	0.2	—	0.2	0.1	—	0.1	0.1
Distillate Fuel Oil <sup>3</sup> .....	29.3	26.4	29.1	23.6	26.5	36.8	26.8
Residual Fuel Oil .....	4.2	0.3	3.9	1.7	2.2	0.5	1.5
Naphtha for Petro. Feed. Use .....	0.5	—	0.4	0.9	0.0	—	0.6
Other Oils for Petro. Feed. Use .....	—	—	—	0.3	—	0.1	0.2
Special Naphthas .....	—	0.8	0.1	0.1	—	0.1	0.1
Lubricants .....	0.7	6.7	1.2	—	—	1.1	0.2
Waxes .....	—	0.1	0.0	—	—	0.2	0.0
Petroleum Coke .....	3.4	0.6	3.1	5.9	5.1	3.5	5.3
Asphalt and Road Oil .....	4.7	22.7	6.2	4.3	8.9	2.1	4.5
Still Gas .....	3.8	1.5	3.6	4.0	4.0	4.2	4.1
Miscellaneous Products .....	0.2	0.9	0.2	0.5	0.7	0.3	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.4	2.9	-3.8	-6.6	-7.4	-5.0	-6.4

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	3.6	6.0	5.2	0.9	1.6	5.3	2.9	3.2	4.8
Finished Motor Gasoline <sup>1</sup> .....	52.5	42.0	42.5	29.6	49.7	42.8	46.9	47.2	45.4
Finished Aviation Gasoline <sup>2</sup> .....	0.4	0.1	0.1	—	—	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel .....	7.1	10.2	10.8	3.1	—	9.9	6.5	18.6	10.4
Kerosene .....	0.0	0.0	0.3	0.1	—	0.1	—	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	29.8	29.6	30.8	34.9	42.6	30.4	31.4	21.5	28.1
Residual Fuel Oil .....	1.3	1.5	3.4	-1.6	3.0	2.2	2.0	3.9	2.4
Naphtha for Petro. Feed. Use .....	0.5	2.9	0.7	—	—	1.8	—	0.0	1.1
Other Oils for Petro. Feed. Use .....	0.0	1.4	1.0	—	—	1.1	—	—	0.6
Special Naphthas .....	0.5	0.5	—	3.3	—	0.4	—	0.0	0.2
Lubricants .....	0.1	1.4	1.5	9.4	—	1.5	—	0.6	1.0
Waxes .....	—	0.0	0.0	0.5	—	0.0	—	—	0.0
Petroleum Coke .....	2.4	6.6	5.8	2.0	1.0	5.8	4.0	5.8	5.4
Asphalt and Road Oil .....	1.0	0.4	0.8	14.6	0.7	0.9	6.6	1.1	2.3
Still Gas .....	3.9	4.5	4.0	2.8	2.2	4.2	4.2	4.7	4.2
Miscellaneous Products .....	0.5	0.7	0.6	0.0	0.0	0.6	0.5	0.5	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-3.6	-7.7	-7.3	0.3	-1.0	-7.0	-4.8	-7.3	-6.6

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, August 2016**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	<b>417</b>	<b>385</b>	<b>2,764</b>	<b>3,566</b>
Connecticut .....	—	—	—	—
Delaware .....	—	385	—	385
Florida .....	—	—	765	765
Georgia .....	—	—	—	—
Maine .....	—	—	—	—
Maryland .....	—	—	66	66
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	—	1,501	1,501
New York .....	417	—	236	653
North Carolina .....	—	—	—	—
Pennsylvania .....	—	—	195	195
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	—	—
Vermont .....	—	—	1	1
Virginia .....	—	—	—	—
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	<b>—</b>	<b>58</b>	<b>107</b>	<b>165</b>
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	—	107	107
Minnesota .....	—	33	—	33
North Dakota .....	—	25	—	25
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	<b>—</b>	<b>926</b>	<b>774</b>	<b>1,700</b>
Alabama .....	—	—	—	—
Louisiana .....	—	470	—	470
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	—	456	774	1,230
<b>PAD District 4</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	<b>—</b>	<b>329</b>	<b>2,257</b>	<b>2,586</b>
Alaska .....	—	—	—	—
California .....	—	—	1,393	1,393
Hawaii .....	—	—	83	83
Oregon .....	—	—	—	—
Washington .....	—	329	781	1,110
<b>U.S. Total</b> .....	<b>417</b>	<b>1,698</b>	<b>5,902</b>	<b>8,017</b>

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, August 2016**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>27,606</b>	<b>68,164</b>	<b>107,816</b>	<b>8,202</b>	<b>37,311</b>	<b>249,099</b>	<b>8,035</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>1,414</b>	<b>2,249</b>	<b>660</b>	<b>171</b>	<b>744</b>	<b>5,238</b>	<b>169</b>
Pentanes Plus	—	293	660	—	—	953	31
Liquefied Petroleum Gases	1,414	1,956	—	171	744	4,285	138
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	943	1,141	—	157	652	2,893	93
Propylene	376	363	—	—	1	740	24
Normal Butane	54	167	—	—	91	312	10
Butylene	—	78	—	—	—	78	3
Isobutane	41	207	—	14	—	262	8
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>20,010</b>	<b>301</b>	<b>18,404</b>	<b>85</b>	<b>3,325</b>	<b>42,125</b>	<b>1,359</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	837	83	1,135	17	1,007	3,079	99
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	425	—	—	425	14
Methyl Tertiary Butyl Ether (MTBE)	—	—	248	—	—	248	8
Other Oxygenates <sup>3</sup>	—	—	177	—	—	177	6
Renewable Fuels (including Fuel Ethanol)	837	70	708	17	1,007	2,639	85
Fuel Ethanol	—	—	—	—	255	255	8
Biomass-Based Diesel Fuel	837	70	708	17	197	1,829	59
Other Renewable Diesel Fuel	—	—	—	—	555	555	18
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	13	2	—	—	15	0
Unfinished Oils <sup>1</sup>	1,480	—	14,575	—	966	17,021	549
Naphthas and Lighter	—	—	109	—	—	109	4
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,000	—	8,355	—	966	10,321	333
Residuum	480	—	6,111	—	—	6,591	213
Motor Gasoline Blend.Comp. (MGBC)	17,693	218	2,694	68	1,352	22,025	710
Reformulated - RBOB	6,270	—	—	—	172	6,442	208
Conventional	11,423	218	2,694	68	1,180	15,583	503
CBOB	836	—	—	—	435	1,271	41
GTAB	3,518	—	—	—	—	3,518	113
Other	7,069	218	2,694	68	745	10,794	348
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>10,536</b>	<b>952</b>	<b>4,359</b>	<b>32</b>	<b>7,288</b>	<b>23,167</b>	<b>747</b>
Finished Motor Gasoline	703	—	296	—	70	1,069	34
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	703	—	296	—	70	1,069	34
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	703	—	296	—	70	1,069	34
Finished Aviation Gasoline	1	1	—	—	—	2	0
Kerosene-Type Jet Fuel	1,260	—	—	4	3,281	4,545	147
Bonded Aircraft Fuel	260	—	—	—	1,445	1,705	55
Other	1,000	—	—	4	1,836	2,840	92
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	3,400	59	461	8	1,144	5,072	164
15 ppm sulfur and under	2,210	55	—	8	995	3,268	105
Bonded	—	—	—	—	44	44	1
Other	2,210	55	—	8	951	3,224	104
Greater than 15 ppm to 500 ppm sulfur	227	—	—	—	—	227	7
Bonded	—	—	—	—	—	—	—
Other	227	—	—	—	—	227	7
Greater than 500 ppm to 2000 ppm sulfur	963	4	99	—	149	1,215	39
Bonded	—	—	—	—	—	—	—
Other	963	4	99	—	149	1,215	39
Greater than 2000 ppm	—	—	362	—	—	362	12
Bonded	—	—	—	—	—	—	—
Other	—	—	362	—	—	362	12
Residual Fuel Oil	3,566	165	1,700	—	2,586	8,017	259
Less than 0.31 percent sulfur	417	—	—	—	—	417	13
0.31 to 1.00 percent sulfur	385	58	926	—	329	1,698	55
Greater than 1.00 percent sulfur	2,764	107	774	—	2,257	5,902	190
Petrochemical Feedstocks	1	175	420	—	41	637	21
Naphtha for Petro. Feed. Use	1	91	396	—	41	529	17
Other Oils for Petro. Feed. Use	—	84	24	—	—	108	3
Special Naphthas	—	45	222	—	—	267	9
Lubricants	158	199	890	—	32	1,279	41
Waxes	73	2	—	—	39	114	4
Petroleum Coke (Marketable)	1	25	340	—	28	394	13
Asphalt and Road Oil	1,373	281	30	19	67	1,770	57
Miscellaneous Products	—	—	—	1	—	1	0
<b>Total</b>	<b>59,566</b>	<b>71,666</b>	<b>131,239</b>	<b>8,490</b>	<b>48,668</b>	<b>319,629</b>	<b>10,311</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-August 2016**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>209,994</b>	<b>527,505</b>	<b>824,352</b>	<b>63,031</b>	<b>295,417</b>	<b>1,920,299</b>	<b>7,870</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>11,109</b>	<b>18,839</b>	<b>2,751</b>	<b>2,438</b>	<b>2,924</b>	<b>38,061</b>	<b>156</b>
Pentanes Plus	—	316	2,577	—	—	2,893	12
Liquefied Petroleum Gases	11,109	18,523	174	2,438	2,924	35,168	144
Ethane	43	—	—	—	—	43	0
Ethylene	—	—	—	—	—	—	—
Propane	7,169	11,806	—	2,286	2,757	24,018	98
Propylene	2,825	2,940	—	—	37	5,802	24
Normal Butane	295	1,401	—	4	130	1,830	8
Butylene	—	570	174	—	—	744	3
Isobutane	777	1,806	—	148	—	2,731	11
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>154,744</b>	<b>2,110</b>	<b>137,205</b>	<b>750</b>	<b>26,594</b>	<b>321,403</b>	<b>1,317</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	4,278	381	5,848	155	4,319	14,981	61
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	2,655	—	—	2,655	11
Methyl Tertiary Butyl Ether (MTBE)	—	—	2,039	—	—	2,039	8
Other Oxygenates <sup>3</sup>	—	—	616	—	—	616	3
Renewable Fuels (including Fuel Ethanol)	4,273	317	3,120	101	4,319	12,130	50
Fuel Ethanol	12	—	63	—	756	831	3
Biomass-Based Diesel Fuel	3,988	317	3,057	101	565	8,028	33
Other Renewable Diesel Fuel	273	—	—	—	2,998	3,271	13
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	5	64	73	54	—	196	1
Unfinished Oils <sup>1</sup>	9,227	—	121,586	—	14,569	145,382	596
Naphthas and Lighter	—	—	284	—	757	1,041	4
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	6,147	—	80,860	—	13,812	100,819	413
Residuum	3,080	—	40,442	—	—	43,522	178
Motor Gasoline Blend.Comp. (MGBC)	141,239	1,729	9,771	595	7,706	161,040	660
Reformulated - RBOB	45,656	—	—	—	567	46,223	189
Conventional	95,583	1,729	9,771	595	7,139	114,817	471
CBOB	8,918	278	219	—	3,163	12,578	52
GTAB	30,520	—	524	—	—	31,044	127
Other	56,145	1,451	9,028	595	3,976	71,195	292
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>88,415</b>	<b>6,483</b>	<b>40,041</b>	<b>412</b>	<b>45,440</b>	<b>180,791</b>	<b>741</b>
Finished Motor Gasoline	13,939	65	751	—	616	15,371	63
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	13,939	65	751	—	616	15,371	63
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	13,939	65	751	—	616	15,371	63
Finished Aviation Gasoline	7	2	—	7	39	55	0
Kerosene-Type Jet Fuel	14,922	—	—	7	21,178	36,107	148
Bonded Aircraft Fuel	1,362	—	—	—	6,607	7,969	33
Other	13,560	—	—	7	14,571	28,138	115
Kerosene	—	1	—	—	—	1	0
Distillate Fuel Oil	29,883	554	2,813	34	4,136	37,420	153
15 ppm sulfur and under	20,375	270	216	34	3,869	24,764	101
Bonded	—	—	—	—	44	44	0
Other	20,375	270	216	34	3,825	24,720	101
Greater than 15 ppm to 500 ppm sulfur	606	—	313	—	54	973	4
Bonded	—	—	—	—	—	—	—
Other	606	—	313	—	54	973	4
Greater than 500 ppm to 2000 ppm sulfur	8,802	162	1,796	—	213	10,973	45
Bonded	—	—	—	—	—	—	—
Other	8,802	162	1,796	—	213	10,973	45
Greater than 2000 ppm	100	122	488	—	—	710	3
Bonded	—	—	—	—	—	—	—
Other	100	122	488	—	—	710	3
Residual Fuel Oil	19,682	787	20,216	—	17,619	58,304	239
Less than 0.31 percent sulfur	1,244	—	1,163	—	—	2,407	10
0.31 to 1.00 percent sulfur	2,633	371	3,663	—	588	7,255	30
Greater than 1.00 percent sulfur	15,805	416	15,390	—	17,031	48,642	199
Petrochemical Feedstocks	33	1,142	6,143	—	302	7,620	31
Naphtha for Petro. Feed. Use	20	649	5,084	—	302	6,055	25
Other Oils for Petro. Feed. Use	13	493	1,059	—	—	1,565	6
Special Naphthas	—	420	3,086	—	—	3,506	14
Lubricants	1,668	1,672	6,156	—	118	9,614	39
Waxes	519	46	225	—	344	1,134	5
Petroleum Coke (Marketable)	1,327	137	549	—	235	2,248	9
Asphalt and Road Oil	6,435	1,657	102	356	853	9,403	39
Miscellaneous Products	—	—	—	8	—	8	0
<b>Total</b>	<b>464,262</b>	<b>554,937</b>	<b>1,004,349</b>	<b>66,631</b>	<b>370,375</b>	<b>2,460,554</b>	<b>10,084</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>96,653</b>	—	<b>577</b>	<b>4,569</b>	—	—	—	<b>5</b>	<b>1,087</b>	<b>1,092</b>
Algeria .....	—	—	577	4,050	—	—	—	—	196	196
Angola .....	4,248	—	—	371	—	—	—	—	323	323
Ecuador .....	7,854	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	1,351	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	14,792	—	—	—	—	—	—	—	—	—
Kuwait .....	4,843	—	—	—	—	—	—	—	—	—
Libya .....	522	—	—	148	—	—	—	—	—	—
Nigeria .....	4,962	—	—	—	—	—	—	—	329	329
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	35,407	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	501	—	—	—	—	—	—	—	—	—
Venezuela .....	<b>22,173</b>	—	—	—	—	—	—	<b>5</b>	<b>239</b>	<b>244</b>
<b>Non-OPEC</b> .....	<b>152,446</b>	<b>953</b>	<b>3,708</b>	<b>12,452</b>	—	<b>1,069</b>	<b>1,069</b>	<b>6,437</b>	<b>14,496</b>	<b>20,933</b>
Argentina .....	—	—	—	—	—	—	—	—	25	25
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	657	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	1,208	—	—	—	14	743	757
Brazil .....	7,291	—	—	—	—	—	—	—	503	503
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	110	—	—	—	—	—	—
Canada .....	101,870	293	3,648	—	—	626	626	2,838	2,187	5,025
Chad .....	1,904	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	14,919	—	—	196	—	—	—	—	741	741
Congo (Brazzaville) .....	946	—	—	45	—	—	—	—	—	—
Denmark .....	—	—	—	73	—	—	—	2	2	4
Egypt .....	511	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	17	17	61	272	333
France .....	—	—	—	305	—	296	296	611	—	611
Germany .....	—	—	—	35	—	—	—	51	3	54
Guatemala .....	278	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	388	2,598	2,986
Italy .....	—	—	—	—	—	—	—	151	147	298
Korea, South .....	—	—	60	—	—	44	44	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	50	50
Lithuania .....	—	—	—	—	—	—	—	—	314	314
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	17,416	660	—	—	—	—	—	—	882	882
Netherlands .....	—	—	—	62	—	—	—	397	335	732
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	353	—	—	—	64	1,098	1,162
Oman .....	574	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	81	443	524
Russia .....	2,419	—	—	9,243	—	—	—	19	1,324	1,343
Spain .....	—	—	—	—	—	86	86	—	837	837
Sweden .....	—	—	—	62	—	—	—	98	114	212
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	360	—	—	—	—	—	—	—	335	335
United Kingdom .....	1,596	—	—	300	—	—	—	1,662	661	2,323
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	1,705	0	0	460	—	0	0	0	882	882
<b>Total</b> .....	<b>249,099</b>	<b>953</b>	<b>4,285</b>	<b>17,021</b>	—	<b>1,069</b>	<b>1,069</b>	<b>6,442</b>	<b>15,583</b>	<b>22,025</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>55,543</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	139	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	139	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	248	177	255	1,690	555	—	3,268	227	1,215	362	5,072
Argentina .....	—	—	—	1,370	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	71	177	255	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	162	162
Canada .....	—	—	—	205	—	—	2,342	127	735	—	3,204
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	144	—	—	—	144
Colombia .....	—	—	—	—	—	—	—	100	73	—	173
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	8	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	115	—	—	299	—	—	—	299
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	143	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	172	—	—	—	172
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	99	200	299
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	160	—	160
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	555	—	311	0	148	0	459
<b>Total</b> .....	<b>248</b>	<b>177</b>	<b>255</b>	<b>1,829</b>	<b>555</b>	<b>—</b>	<b>3,268</b>	<b>227</b>	<b>1,215</b>	<b>362</b>	<b>5,072</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	457	—	417	657	684	1,758
Algeria .....	—	—	—	—	—	417	—	—	417
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	328	—	328
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	329	—	329
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	4	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	453	—	—	—	684	684
<b>Non-OPEC</b> .....	—	2	—	4,088	267	—	1,041	5,218	6,259
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	22	—	142	27	169
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	2	—	394	204	—	58	1,089	1,147
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	513	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	530	530
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	37	—	37
France .....	—	—	—	—	—	—	67	—	67
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	2,235	41	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,516	1,516
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	342	1,344	1,686
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	195	195
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	509	509
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	946	0	0	395	8	403
<b>Total</b> .....	—	2	—	4,545	267	417	1,698	5,902	8,017
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	4	—	—	328	—	328

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	1	—	408	433	—	9,434	106,087	3,118	304	3,422
Algeria .....	—	—	—	—	—	—	—	5,240	5,240	—	169	169
Angola .....	—	—	—	—	—	—	—	694	4,942	137	22	159
Ecuador .....	—	—	—	—	—	—	—	—	7,854	253	—	253
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	1	—	—	110	—	250	1,601	44	8	52
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	328	15,120	477	11	488
Kuwait .....	—	—	—	—	—	—	—	—	4,843	156	—	156
Libya .....	—	—	—	—	—	—	—	148	670	17	5	22
Nigeria .....	—	—	—	—	—	—	—	658	5,620	160	21	181
Qatar .....	—	—	—	—	—	323	—	323	323	—	10	10
Saudi Arabia .....	—	—	—	—	—	—	—	4	35,411	1,142	0	1,142
United Arab Emirates .....	—	—	—	—	—	—	—	—	501	16	—	16
Venezuela .....	—	—	—	—	408	—	—	1,789	23,962	715	58	773
<b>Non-OPEC</b> .....	529	108	113	394	1,362	846	1	61,096	213,542	4,918	1,971	6,888
Argentina .....	—	—	—	190	—	4	—	1,589	1,589	—	51	51
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	657	21	—	21
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	63	—	63	63	—	2	2
Belgium .....	1	—	—	—	—	11	—	2,003	2,003	—	65	65
Brazil .....	—	—	—	—	—	—	—	1,197	8,488	235	39	274
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	272	272	—	9	9
Canada .....	91	84	53	54	1,272	314	1	16,630	118,500	3,286	536	3,823
Chad .....	—	—	—	—	—	—	—	—	1,904	61	—	61
China .....	—	—	40	—	—	—	—	697	697	—	22	22
Colombia .....	—	—	—	—	—	—	—	1,640	16,559	481	53	534
Congo (Brazzaville) .....	—	—	—	—	—	—	—	45	991	31	1	32
Denmark .....	—	—	—	—	—	—	—	77	77	—	2	2
Egypt .....	—	—	—	—	—	—	—	—	511	16	—	16
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	387	387	—	12	12
France .....	—	24	—	—	—	9	—	1,312	1,312	—	42	42
Germany .....	—	—	17	—	—	18	—	133	133	—	4	4
Guatemala .....	—	—	—	—	—	—	—	—	278	9	—	9
India .....	—	—	—	—	—	—	—	2,986	2,986	—	96	96
Italy .....	—	—	—	—	—	39	—	338	338	—	11	11
Korea, South .....	41	—	—	—	—	323	—	3,158	3,158	—	102	102
Latvia .....	—	—	—	—	—	—	—	50	50	—	2	2
Lithuania .....	—	—	—	—	—	—	—	314	314	—	10	10
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	369	—	—	—	—	—	—	3,427	20,843	562	111	672
Netherlands .....	27	—	—	—	—	12	—	976	976	—	31	31
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	1,515	1,515	—	49	49
Oman .....	—	—	—	—	—	—	—	—	574	19	—	19
Portugal .....	—	—	—	—	—	—	—	524	524	—	17	17
Russia .....	—	—	—	—	—	1	—	12,445	14,864	78	401	479
Spain .....	—	—	—	—	60	—	—	983	983	—	32	32
Sweden .....	—	—	—	—	—	—	—	768	768	—	25	25
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	1,004	1,364	12	32	44
United Kingdom .....	—	—	—	142	—	23	—	2,788	4,384	51	90	141
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	3	8	30	29	0	3,775	5,480	56	124	179
<b>Total</b> .....	<b>529</b>	<b>108</b>	<b>114</b>	<b>394</b>	<b>1,770</b>	<b>1,279</b>	<b>1</b>	<b>70,530</b>	<b>319,629</b>	<b>8,035</b>	<b>2,275</b>	<b>10,311</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>386</b>	<b>—</b>	<b>718</b>	<b>56,261</b>	<b>1,792</b>	<b>23</b>	<b>1,815</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>768,818</b>	—	<b>577</b>	<b>35,698</b>	—	<b>2</b>	<b>2</b>	<b>5</b>	<b>10,971</b>	<b>10,976</b>
Algeria .....	5,969	—	577	29,437	—	—	—	—	196	196
Angola .....	42,056	—	—	2,258	—	—	—	—	323	323
Ecuador .....	59,550	—	—	—	—	—	—	—	521	521
Gabon .....	—	—	—	397	—	—	—	—	—	—
Indonesia .....	10,307	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	93,153	—	—	323	—	—	—	—	—	—
Kuwait .....	48,849	—	—	—	—	—	—	—	—	—
Libya .....	2,337	—	—	1,277	—	—	—	—	—	—
Nigeria .....	53,014	—	—	—	—	2	2	—	6,080	6,080
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	272,185	—	—	1,351	—	—	—	—	—	—
United Arab Emirates .....	1,962	—	—	531	—	—	—	—	—	—
Venezuela .....	<b>179,436</b>	—	—	<b>521</b>	—	—	—	<b>5</b>	<b>3,851</b>	<b>3,856</b>
<b>Non-OPEC</b> .....	<b>1,151,481</b>	<b>2,893</b>	<b>34,591</b>	<b>109,684</b>	—	<b>15,369</b>	<b>15,369</b>	<b>46,218</b>	<b>103,846</b>	<b>150,064</b>
Argentina .....	3,280	—	170	—	—	—	—	—	153	153
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	1,313	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	20	20
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	11,361	—	1,264	1,264	398	3,313	3,711
Brazil .....	35,551	—	—	96	—	295	295	—	1,662	1,662
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	647	—	—	—	—	—	—
Canada .....	779,645	316	33,219	882	—	7,896	7,896	23,317	16,022	39,339
Chad .....	18,642	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	96	96	—	—	—
Colombia .....	117,330	—	—	1,101	—	—	—	—	3,503	3,503
Congo (Brazzaville) .....	1,147	—	—	45	—	—	—	—	—	—
Denmark .....	627	—	—	73	—	—	—	47	77	124
Egypt .....	2,825	—	—	332	—	—	—	—	245	245
Equatorial Guinea .....	1,602	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	190	—	17	17	131	5,366	5,497
France .....	—	—	—	3,697	—	296	296	3,994	827	4,821
Germany .....	—	—	—	723	—	—	—	62	19	81
Guatemala .....	1,879	—	—	—	—	—	—	—	—	—
India .....	—	—	—	1,515	—	2	2	473	15,953	16,426
Italy .....	—	—	—	1,135	—	216	216	151	2,053	2,204
Korea, South .....	—	—	119	214	—	236	236	—	1,422	1,422
Latvia .....	—	—	—	—	—	—	—	—	317	317
Lithuania .....	—	—	—	—	—	20	20	—	614	614
Malaysia .....	1,359	—	—	1,202	—	—	—	—	26	26
Mexico .....	145,775	1,960	131	252	—	—	—	—	3,004	3,004
Netherlands .....	314	—	43	1,810	—	1,310	1,310	2,275	3,649	5,924
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	8,049	—	43	3,171	—	335	335	64	7,977	8,041
Oman .....	7,989	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	820	820	2,261	2,739	5,000
Russia .....	9,625	—	—	74,082	—	1	1	151	9,730	9,881
Spain .....	—	—	—	228	—	309	309	—	9,507	9,507
Sweden .....	—	—	668	542	—	—	—	98	131	229
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	1,445	—	78	—	—	313	313	—	1,407	1,407
United Kingdom .....	4,686	—	—	1,531	—	1,552	1,552	12,543	9,289	21,832
Vietnam .....	1,106	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	21	21
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	7,292	617	120	4,855	—	391	391	253	4,800	5,053
<b>Total</b> .....	<b>1,920,299</b>	<b>2,893</b>	<b>35,168</b>	<b>145,382</b>	—	<b>15,371</b>	<b>15,371</b>	<b>46,223</b>	<b>114,817</b>	<b>161,040</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>416,149</b>	—	—	<b>2,205</b>	—	—	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>OPEC</b> .....	262	—	—	1,227	—	—	325	—	328	—	653
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	1,227	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	325	—	328	—	653
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	262	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	1,777	616	831	6,801	3,271	—	24,439	973	10,645	710	36,767
Argentina .....	43	—	—	5,034	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	45	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	79	—	—	—	—	—	—	—	—	—	—
Brazil .....	558	616	819	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	162	162
Canada .....	—	—	12	1,341	—	—	18,631	506	8,482	222	27,841
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	412	—	—	—	412
Colombia .....	—	—	—	—	—	—	—	100	73	—	173
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	50	—	50
Germany .....	94	—	—	68	—	—	—	—	102	—	113
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	717	—	—	—	717
Italy .....	—	—	—	—	—	—	—	—	—	—	220
Korea, South .....	—	—	—	313	—	—	1,116	54	—	—	1,170
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	220	—	220
Netherlands .....	733	—	—	—	—	—	—	—	24	115	139
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	270	—	—	—	—	—	2,323	—	492	—	2,815
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	674	200	874
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	160	—	160
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	3,271	—	1,240	313	368	11	1,701
<b>Total</b> .....	2,039	616	831	8,028	3,271	—	24,764	973	10,973	710	37,420
<b>Persian Gulf<sup>3</sup></b> .....	262	—	—	—	—	—	325	—	328	—	653

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	3,728	337	1,256	1,401	4,473	7,130
Algeria .....	—	—	—	—	—	1,244	—	—	1,244
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	156	—	156
Indonesia .....	—	—	—	49	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	328	342	670
Kuwait .....	—	—	—	90	—	—	—	—	—
Libya .....	—	—	—	—	—	—	292	—	292
Nigeria .....	—	—	—	—	—	12	646	—	658
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	231	337	—	5	155	160
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	3,358	—	—	130	3,976	4,106
<b>Non-OPEC</b> .....	1	55	—	32,379	3,169	1,151	5,854	44,169	51,174
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	425	425
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	40	—	143	183
Brazil .....	—	—	—	—	40	—	525	158	683
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	1	16	—	3,092	1,079	77	1,901	7,833	9,811
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	3,636	—	—	—	—	—
Colombia .....	—	—	—	3	—	—	256	5,175	5,431
Congo (Brazzaville) .....	—	—	—	—	—	—	477	—	477
Denmark .....	—	—	—	—	—	—	—	18	18
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	37	6	43
France .....	—	—	—	—	—	—	182	58	240
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	4,046	—	—	—	—	—
Italy .....	—	—	—	—	42	—	—	295	295
Korea, South .....	—	—	—	18,469	1,159	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	72	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	58	13,534	13,592
Netherlands .....	—	39	—	—	—	—	—	2,000	2,000
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	340	225	—	565
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	20	—	378	1,008	10,579	11,965
Spain .....	—	—	—	—	—	—	—	362	362
Sweden .....	—	—	—	—	—	—	—	407	407
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	2,188	2,188
United Kingdom .....	—	—	—	—	—	—	—	62	62
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	3,041	849	316	1,185	926	2,427
<b>Total</b> .....	1	55	—	36,107	3,506	2,407	7,255	48,642	58,304
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	321	337	—	333	497	830

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>380</b>	<b>210</b>	<b>2</b>	<b>1,124</b>	<b>1,397</b>	<b>2,540</b>	<b>—</b>	<b>66,243</b>	<b>835,061</b>	<b>3,151</b>	<b>271</b>	<b>3,422</b>
Algeria	—	—	—	—	—	—	—	31,454	37,423	24	129	153
Angola	—	—	—	—	—	—	—	2,581	44,637	172	11	183
Ecuador	—	—	—	—	—	—	—	521	60,071	244	2	246
Gabon	—	—	—	—	—	—	—	553	553	—	2	2
Indonesia	—	—	2	—	—	437	—	1,715	12,022	42	7	49
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	993	94,146	382	4	386
Kuwait	—	—	—	—	—	—	—	90	48,939	200	0	201
Libya	—	—	—	—	—	—	—	1,569	3,906	10	6	16
Nigeria	—	210	—	—	—	—	—	6,950	59,964	217	28	246
Qatar	—	—	—	—	—	2,103	—	2,756	2,756	—	11	11
Saudi Arabia	380	—	—	—	—	—	—	2,459	274,644	1,116	10	1,126
United Arab Emirates	—	—	—	—	—	—	—	793	2,755	8	3	11
Venezuela	—	—	—	1,124	1,397	—	—	14,362	193,798	735	59	794
<b>Non-OPEC</b>	<b>5,675</b>	<b>1,355</b>	<b>1,132</b>	<b>1,124</b>	<b>8,006</b>	<b>7,074</b>	<b>8</b>	<b>474,012</b>	<b>1,625,493</b>	<b>4,719</b>	<b>1,943</b>	<b>6,662</b>
Argentina	17	377	—	285	—	22	—	6,101	9,381	13	25	38
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	45	1,358	5	0	6
Bahamas	—	—	—	—	—	—	—	445	445	—	2	2
Bahrain	—	—	—	—	—	480	—	480	480	—	2	2
Belgium	1	—	—	—	—	153	—	16,752	16,752	—	69	69
Brazil	61	—	20	—	—	24	—	4,891	40,442	146	20	166
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	809	809	—	3	3
Canada	705	645	327	380	7,249	2,710	8	136,987	916,632	3,195	561	3,757
Chad	—	—	—	—	—	—	—	—	18,642	76	—	76
China	—	—	453	—	—	—	—	4,597	4,597	—	19	19
Colombia	—	—	—	192	64	—	—	10,467	127,797	481	43	524
Congo (Brazzaville)	—	—	—	—	—	—	—	522	1,669	5	2	7
Denmark	—	—	—	—	—	—	—	215	842	3	1	3
Egypt	—	—	—	—	—	1	—	578	3,403	12	2	14
Equatorial Guinea	—	—	—	—	—	—	—	—	1,602	7	—	7
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	5,747	5,747	—	24	24
France	—	207	—	—	—	74	—	9,385	9,385	—	38	38
Germany	—	—	21	—	—	105	—	1,209	1,209	—	5	5
Guatemala	—	—	—	—	—	—	—	—	1,879	8	—	8
India	—	—	1	—	—	—	—	22,707	22,707	—	93	93
Italy	—	—	—	—	—	188	—	4,310	4,310	—	18	18
Korea, South	881	—	—	—	43	2,603	—	26,643	26,643	—	109	109
Latvia	—	—	—	—	—	—	—	317	317	—	1	1
Lithuania	—	—	—	—	—	—	—	634	634	—	3	3
Malaysia	—	—	101	—	—	—	—	1,401	2,760	6	6	11
Mexico	3,389	—	—	—	—	—	—	22,548	168,323	597	92	690
Netherlands	140	—	—	—	—	12	—	12,161	12,475	1	50	51
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	84	—	—	—	12,239	20,288	33	50	83
Oman	—	—	—	—	—	—	—	—	7,989	33	—	33
Portugal	—	—	—	—	—	—	—	5,820	5,820	—	24	24
Russia	—	—	—	—	—	314	—	99,354	108,979	39	407	447
Spain	—	—	1	—	465	111	—	10,983	10,983	—	45	45
Sweden	—	—	—	3	—	—	—	2,723	2,723	—	11	11
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	4,146	5,591	6	17	23
United Kingdom	117	—	—	158	—	94	—	25,346	30,032	19	104	123
Vietnam	—	—	—	—	—	—	—	—	1,106	5	—	5
Virgin Islands, U.S.	—	—	—	—	—	—	—	21	21	—	0	0
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	364	126	208	22	185	183	0	23,429	30,721	29	97	124
<b>Total</b>	<b>6,055</b>	<b>1,565</b>	<b>1,134</b>	<b>2,248</b>	<b>9,403</b>	<b>9,614</b>	<b>8</b>	<b>540,255</b>	<b>2,460,554</b>	<b>7,870</b>	<b>2,214</b>	<b>10,084</b>
<b>Persian Gulf<sup>3</sup></b>	<b>380</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2,583</b>	<b>—</b>	<b>7,571</b>	<b>423,720</b>	<b>1,706</b>	<b>31</b>	<b>1,737</b>

— = No Data Reported.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>12,235</b>	—	<b>577</b>	—	—	—	—	—	<b>891</b>	<b>891</b>
Algeria .....	—	—	577	—	—	—	—	—	—	—
Angola .....	2,633	—	—	—	—	—	—	—	323	323
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	2,753	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	4,488	—	—	—	—	—	—	—	329	329
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	999	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	<b>1,362</b>	—	—	—	—	—	—	—	<b>239</b>	<b>239</b>
<b>Non-OPEC</b> .....	<b>15,371</b>	—	<b>837</b>	<b>1,480</b>	—	<b>703</b>	<b>703</b>	<b>6,270</b>	<b>10,532</b>	<b>16,802</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	14	743	757
Brazil .....	1,258	—	—	—	—	—	—	—	408	408
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	7,031	—	837	—	—	321	321	2,838	1,115	3,953
Chad .....	951	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	2,353	—	—	—	—	—	—	—	741	741
Congo (Brazzaville) .....	946	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	73	—	—	—	2	2	4
Egypt .....	511	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	17	17	61	272	333
France .....	—	—	—	—	—	296	296	611	—	611
Germany .....	—	—	—	—	—	—	—	51	3	54
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	300	2,153	2,453
Italy .....	—	—	—	—	—	—	—	151	147	298
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	50	50
Lithuania .....	—	—	—	—	—	—	—	—	314	314
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	397	106	503
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	64	1,013	1,077
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	81	443	524
Russia .....	—	—	—	1,174	—	—	—	—	1,045	1,045
Spain .....	—	—	—	—	—	69	69	—	535	535
Sweden .....	—	—	—	—	—	—	—	98	114	212
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	335	335
United Kingdom .....	616	—	—	233	—	—	—	1,602	297	1,899
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	1,705	—	0	0	—	0	0	0	696	696
<b>Total</b> .....	<b>27,606</b>	—	<b>1,414</b>	<b>1,480</b>	—	<b>703</b>	<b>703</b>	<b>6,270</b>	<b>11,423</b>	<b>17,693</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>3,752</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	53	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	53	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	784	-	-	2,210	227	963	-	3,400
Argentina .....	-	-	-	748	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	36	-	-	2,038	127	730	-	2,895
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	100	73	-	173
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	172	-	-	-	172
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	160	-	160
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	0	0	-	0
<b>Total</b> .....	-	-	-	837	-	-	2,210	227	963	-	3,400
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	453	—	417	—	146	563
Algeria .....	—	—	—	—	—	417	—	—	417
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	453	—	—	—	146	146
<b>Non-OPEC</b> .....	—	1	—	807	—	—	385	2,618	3,003
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	27	27
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	394	—	—	—	669	669
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	530	530
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	37	—	37
France .....	—	—	—	—	—	—	6	—	6
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	413	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	62	62
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	342	618	960
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	195	195
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	509	509
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	0	0	8	8
<b>Total</b> .....	—	1	—	1,260	—	417	385	2,764	3,566
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	1	—	408	—	—	2,946	15,181	395	95	490
Algeria	—	—	—	—	—	—	—	994	994	—	32	32
Angola	—	—	—	—	—	—	—	323	2,956	85	10	95
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	1	—	—	—	—	54	54	—	2	2
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	2,753	89	—	89
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	329	4,817	145	11	155
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	999	32	—	32
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	408	—	—	1,246	2,608	44	40	84
<b>Non-OPEC</b>	1	—	72	1	965	158	—	29,014	44,385	496	936	1,432
Argentina	—	—	—	—	—	2	—	750	750	—	24	24
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	1	—	—	—	—	—	—	758	758	—	24	24
Brazil	—	—	—	—	—	—	—	435	1,693	41	14	55
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	51	1	905	113	—	10,176	17,207	227	328	555
Chad	—	—	—	—	—	—	—	—	951	31	—	31
China	—	—	1	—	—	—	—	1	1	—	0	0
Colombia	—	—	—	—	—	—	—	1,444	3,797	76	47	122
Congo (Brazzaville)	—	—	—	—	—	—	—	—	946	31	—	31
Denmark	—	—	—	—	—	—	—	77	77	—	2	2
Egypt	—	—	—	—	—	—	—	—	511	16	—	16
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	387	387	—	12	12
France	—	—	—	—	—	9	—	922	922	—	30	30
Germany	—	—	17	—	—	6	—	77	77	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,453	2,453	—	79	79
Italy	—	—	—	—	—	1	—	299	299	—	10	10
Korea, South	—	—	—	—	—	26	—	439	439	—	14	14
Latvia	—	—	—	—	—	—	—	50	50	—	2	2
Lithuania	—	—	—	—	—	—	—	314	314	—	10	10
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	62	62	—	2	2
Netherlands	—	—	—	—	—	—	—	503	503	—	16	16
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	1,077	1,077	—	35	35
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	524	524	—	17	17
Russia	—	—	—	—	—	1	—	3,352	3,352	—	108	108
Spain	—	—	—	—	60	—	—	664	664	—	21	21
Sweden	—	—	—	—	—	—	—	407	407	—	13	13
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,004	1,004	—	32	32
United Kingdom	—	—	—	—	—	—	—	2,132	2,748	20	69	89
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	3	0	0	0	—	707	2,412	54	25	80
<b>Total</b>	<b>1</b>	<b>—</b>	<b>73</b>	<b>1</b>	<b>1,373</b>	<b>158</b>	<b>—</b>	<b>31,960</b>	<b>59,566</b>	<b>891</b>	<b>1,031</b>	<b>1,921</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3,752</b>	<b>121</b>	<b>—</b>	<b>121</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	804	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	804	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	67,360	293	1,956	-	-	-	-	-	218	218
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	67,360	293	1,956	-	-	-	-	-	218	218
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	-	0	0
<b>Total</b> .....	68,164	293	1,956	-	-	-	-	-	218	218
<b>Persian Gulf<sup>3</sup></b> .....	804	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	70	-	-	55	-	4	-	59
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	70	-	-	55	-	4	-	59
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	-	0
<b>Total</b> .....	-	-	-	70	-	-	55	-	4	-	59
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	1	—	—	45	—	58	107	165
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	—	45	—	58	107	165
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	—	0	0	0
<b>Total</b> .....	—	1	—	—	45	—	58	107	165
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	804	26	—	26
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	804	26	—	26
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	91	84	2	25	281	199	—	3,502	70,862	2,173	113	2,286
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	91	84	2	25	281	193	—	3,496	70,856	2,173	113	2,286
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	6	—	6	6	—	0	0
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	91	84	2	25	281	199	—	3,502	71,666	2,199	113	2,312
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	804	26	—	26

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>59,416</b>	—	—	<b>3,826</b>	—	—	—	—	<b>196</b>	<b>196</b>
Algeria .....	—	—	—	3,307	—	—	—	—	196	196
Angola .....	950	—	—	371	—	—	—	—	—	—
Ecuador .....	990	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	12,039	—	—	—	—	—	—	—	—	—
Kuwait .....	2,453	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	148	—	—	—	—	—	—
Nigeria .....	474	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	22,045	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	<b>20,465</b>	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>48,400</b>	<b>660</b>	—	<b>10,749</b>	—	<b>296</b>	<b>296</b>	—	<b>2,498</b>	<b>2,498</b>
Argentina .....	—	—	—	—	—	—	—	—	25	25
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	1,208	—	—	—	—	—	—
Brazil .....	5,368	—	—	—	—	—	—	—	95	95
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	110	—	—	—	—	—	—
Canada .....	11,974	—	—	—	—	279	279	—	280	280
Chad .....	953	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	10,141	—	—	196	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	45	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	305	—	—	—	—	—	—
Germany .....	—	—	—	35	—	—	—	—	—	—
Guatemala .....	278	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	17,416	660	—	—	—	—	—	—	882	882
Netherlands .....	—	—	—	62	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	353	—	—	—	—	85	85
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Russia .....	930	—	—	7,846	—	—	—	—	279	279
Spain .....	—	—	—	—	—	17	17	—	302	302
Sweden .....	—	—	—	62	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	360	—	—	—	—	—	—	—	—	—
United Kingdom .....	980	—	—	67	—	—	—	—	364	364
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	460	—	0	0	—	186	186
<b>Total</b> .....	<b>107,816</b>	<b>660</b>	—	<b>14,575</b>	—	<b>296</b>	<b>296</b>	—	<b>2,694</b>	<b>2,694</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>36,537</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>OPEC</b> .....	—	—	—	86	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	86	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	248	177	—	622	—	—	—	—	99	362	461
Argentina .....	—	—	—	622	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	71	177	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	162	162
Canada .....	—	—	—	—	—	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	8	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	143	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	99	200	299
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	—	—	—	—	0	0	0
<b>Total</b> .....	<b>248</b>	<b>177</b>	<b>—</b>	<b>708</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>99</b>	<b>362</b>	<b>461</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	328	538	866
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	328	—	328
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	538	538
<b>Non-OPEC</b> .....	—	—	—	—	222	—	598	236	834
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	22	—	142	—	142
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	159	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	61	—	61
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	41	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	236	236
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	0	—	395	0	395
<b>Total</b> .....	—	—	—	—	222	—	926	774	1,700
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	328	—	328

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	433	—	5,407	64,823	1,917	174	2,091
Algeria .....	—	—	—	—	—	—	—	3,503	3,503	—	113	113
Angola .....	—	—	—	—	—	—	—	371	1,321	31	12	43
Ecuador .....	—	—	—	—	—	—	—	—	990	32	—	32
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	110	—	196	196	—	6	6
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	328	12,367	388	11	399
Kuwait .....	—	—	—	—	—	—	—	—	2,453	79	—	79
Libya .....	—	—	—	—	—	—	—	148	148	—	5	5
Nigeria .....	—	—	—	—	—	—	—	—	474	15	—	15
Qatar .....	—	—	—	—	—	323	—	323	323	—	10	10
Saudi Arabia .....	—	—	—	—	—	—	—	—	22,045	711	—	711
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	538	21,003	660	17	678
<b>Non-OPEC</b> .....	396	24	—	340	30	457	—	18,016	66,416	1,561	581	2,142
Argentina .....	—	—	—	190	—	2	—	839	839	—	27	27
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	63	—	63	63	—	2	2
Belgium .....	—	—	—	—	—	11	—	1,245	1,245	—	40	40
Brazil .....	—	—	—	—	—	—	—	507	5,875	173	16	190
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	272	272	—	9	9
Canada .....	—	—	—	—	—	—	—	718	12,692	386	23	409
Chad .....	—	—	—	—	—	—	—	—	953	31	—	31
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	196	10,337	327	6	333
Congo (Brazzaville) .....	—	—	—	—	—	—	—	45	45	—	1	1
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	24	—	—	—	—	—	390	390	—	13	13
Germany .....	—	—	—	—	—	6	—	50	50	—	2	2
Guatemala .....	—	—	—	—	—	—	—	—	278	9	—	9
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	38	—	39	39	—	1	1
Korea, South .....	—	—	—	—	—	274	—	315	315	—	10	10
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	369	—	—	—	—	—	—	2,147	19,563	562	69	631
Netherlands .....	27	—	—	—	—	12	—	244	244	—	8	8
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	438	438	—	14	14
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	8,125	9,055	30	262	292
Spain .....	—	—	—	—	—	—	—	319	319	—	10	10
Sweden .....	—	—	—	—	—	—	—	361	361	—	12	12
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	360	12	—	12
United Kingdom .....	—	—	—	142	—	23	—	596	1,576	32	19	51
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	8	30	28	—	1,107	1,107	-1	37	35
<b>Total</b> .....	<b>396</b>	<b>24</b>	<b>—</b>	<b>340</b>	<b>30</b>	<b>890</b>	<b>—</b>	<b>23,423</b>	<b>131,239</b>	<b>3,478</b>	<b>756</b>	<b>4,234</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>386</b>	<b>—</b>	<b>714</b>	<b>37,251</b>	<b>1,179</b>	<b>23</b>	<b>1,202</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	8,202	-	171	-	-	-	-	-	68	68
Canada .....	8,202	-	171	-	-	-	-	-	68	68
Other .....	0	-	0	-	-	-	-	-	0	0
Total .....	8,202	-	171	-	-	-	-	-	68	68
	PAD District 5									
OPEC .....	24,198	-	-	743	-	-	-	5	-	5
Algeria .....	-	-	-	743	-	-	-	-	-	-
Angola .....	665	-	-	-	-	-	-	-	-	-
Ecuador .....	6,864	-	-	-	-	-	-	-	-	-
Indonesia .....	1,351	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	2,390	-	-	-	-	-	-	-	-	-
Libya .....	522	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	11,559	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	501	-	-	-	-	-	-	-	-	-
Venezuela .....	346	-	-	-	-	-	-	5	-	5
Non-OPEC .....	13,113	-	744	223	-	70	70	167	1,180	1,347
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	657	-	-	-	-	-	-	-	-	-
Brazil .....	665	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,303	-	684	-	-	26	26	-	506	506
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	2,425	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	60	-	-	44	44	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	229	229
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	574	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	60	-	60
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	1,489	-	0	223	-	0	0	107	445	552
Total .....	37,311	-	744	966	-	70	70	172	1,180	1,352
Persian Gulf <sup>3</sup> .....	14,450	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	17	—	—	8	—	—	—	8
Canada .....	—	—	—	17	—	—	8	—	—	—	8
Other .....	—	—	—	0	—	—	0	—	—	—	0
Total .....	—	—	—	17	—	—	8	—	—	—	8
	PAD District 5										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	255	197	555	—	995	—	149	—	1,144
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	255	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	82	—	—	241	—	1	—	242
China .....	—	—	—	—	—	—	144	—	—	—	144
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	—	311	—	—	—	311
Korea, South .....	—	—	—	115	—	—	299	—	—	—	299
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	148	—	148
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	555	—	0	—	0	—	0
Total .....	—	—	255	197	555	—	995	—	149	—	1,144
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	—	—	—	4	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	4	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	—	—	—
Total .....	—	—	—	4	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	—	—	—	329	—	329
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	329	—	329
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	3,281	—	—	—	2,257	2,257
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	313	313
China .....	—	—	—	513	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	946	—	—	—	—	—
Korea, South .....	—	—	—	1,822	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,218	1,218
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	0	726	726
Total .....	—	—	—	3,281	—	—	329	2,257	2,586
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	4	4	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	4	4	—	0	0
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	19	—	1	284	8,486	265	9	274
Canada .....	—	—	—	—	19	—	1	284	8,486	265	9	274
Other .....	—	—	—	—	0	—	0	0	0	0	0	0
Total .....	—	—	—	—	19	—	1	288	8,490	265	9	274
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	1,077	25,275	781	35	815
Algeria .....	—	—	—	—	—	—	—	743	743	—	24	24
Angola .....	—	—	—	—	—	—	—	—	665	21	—	21
Ecuador .....	—	—	—	—	—	—	—	—	6,864	221	—	221
Indonesia .....	—	—	—	—	—	—	—	—	1,351	44	—	44
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	2,390	77	—	77
Libya .....	—	—	—	—	—	—	—	—	522	17	—	17
Nigeria .....	—	—	—	—	—	—	—	329	329	—	11	11
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	11,559	373	—	373
United Arab Emirates .....	—	—	—	—	—	—	—	—	501	16	—	16
Venezuela .....	—	—	—	—	—	—	—	5	351	11	0	11
Non-OPEC .....	41	—	39	28	67	32	—	10,280	23,393	423	332	755
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	657	21	—	21
Brazil .....	—	—	—	—	—	—	—	255	920	21	8	30
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	28	67	8	—	1,956	9,259	236	63	299
China .....	—	—	39	—	—	—	—	696	696	—	22	22
Colombia .....	—	—	—	—	—	—	—	—	2,425	78	—	78
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	1	—	1,258	1,258	—	41	41
Korea, South .....	41	—	—	—	—	23	—	2,404	2,404	—	78	78
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,218	1,218	—	39	39
Netherlands .....	—	—	—	—	—	—	—	229	229	—	7	7
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	574	19	—	19
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	703	703	—	23	23
Sweden .....	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	60	60	—	2	2
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	0	0	0	—	1,501	2,990	48	49	96
Total .....	41	—	39	28	67	32	—	11,357	48,668	1,204	366	1,570
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	14,450	466	—	466

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>97,615</b>	—	<b>577</b>	<b>468</b>	—	<b>2</b>	<b>2</b>	—	<b>8,939</b>	<b>8,939</b>
Algeria .....	1,258	—	577	468	—	—	—	—	—	—
Angola .....	18,037	—	—	—	—	—	—	—	323	323
Ecuador .....	—	—	—	—	—	—	—	—	521	521
Gabon .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	12,969	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	45,206	—	—	—	—	2	2	—	5,513	5,513
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	13,259	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	<b>6,886</b>	—	—	—	—	—	—	—	<b>2,582</b>	<b>2,582</b>
<b>Non-OPEC</b> .....	<b>112,379</b>	—	<b>10,532</b>	<b>8,759</b>	—	<b>13,937</b>	<b>13,937</b>	<b>45,656</b>	<b>86,644</b>	<b>132,300</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	20	20
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	1,264	1,264	398	2,987	3,385
Brazil .....	2,986	—	—	—	—	230	230	—	1,191	1,191
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	60,277	—	9,821	108	—	6,815	6,815	23,317	9,750	33,067
Chad .....	5,711	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	23,782	—	—	294	—	—	—	—	2,901	2,901
Congo (Brazzaville) .....	1,147	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	73	—	—	—	47	77	124
Egypt .....	511	—	—	—	—	—	—	—	245	245
Equatorial Guinea .....	650	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	57	—	17	17	131	5,366	5,497
France .....	—	—	—	241	—	296	296	3,994	802	4,796
Germany .....	—	—	—	—	—	—	—	62	19	81
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	2	2	300	14,349	14,649
Italy .....	—	—	—	—	—	216	216	151	1,832	1,983
Korea, South .....	—	—	—	—	—	63	63	—	606	606
Latvia .....	—	—	—	—	—	—	—	—	317	317
Lithuania .....	—	—	—	—	—	20	20	—	614	614
Malaysia .....	—	—	—	—	—	—	—	—	26	26
Mexico .....	4,049	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	21	—	1,310	1,310	2,275	3,420	5,695
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	6,825	—	43	—	—	335	335	64	7,883	7,947
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	820	820	2,261	2,453	4,714
Russia .....	—	—	—	6,264	—	1	1	120	9,193	9,313
Spain .....	—	—	—	—	—	292	292	—	9,205	9,205
Sweden .....	—	—	668	268	—	—	—	98	131	229
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	313	313	—	1,407	1,407
United Kingdom .....	1,370	—	—	1,005	—	1,552	1,552	12,424	8,544	20,968
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	21	21
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	5,071	—	0	428	—	391	391	14	3,285	3,299
<b>Total</b> .....	<b>209,994</b>	—	<b>11,109</b>	<b>9,227</b>	—	<b>13,939</b>	<b>13,939</b>	<b>45,656</b>	<b>95,583</b>	<b>141,239</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>26,228</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	—	—	—	438	—	—	325	—	328	—	653
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	438	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	325	—	328	—	653
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	—	12	3,550	273	—	20,050	606	8,474	100	29,230
Argentina	—	—	—	2,851	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	12	631	—	—	16,566	506	7,955	100	25,127
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	100	73	—	173
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	68	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	717	—	—	—	717
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	400	—	—	—	400
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	2,107	—	—	—	2,107
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	286	—	286
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	160	—	160
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	273	—	260	0	0	0	260
<b>Total</b>	—	—	12	3,988	273	—	20,375	606	8,802	100	29,883
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	—	325	—	328	—	653

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	3,675	—	1,244	8	304	1,556
Algeria .....	—	—	—	—	—	1,244	—	—	1,244
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	156	—	156
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	90	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	8	—	8
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	227	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	3,358	—	—	—	304	304
<b>Non-OPEC</b> .....	—	7	—	11,247	—	—	2,625	15,501	18,126
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	78	78
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	56	158	214
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	7	—	3,052	—	—	1,493	6,054	7,547
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	542	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	3,930	3,930
Congo (Brazzaville) .....	—	—	—	—	—	—	477	—	477
Denmark .....	—	—	—	—	—	—	—	4	4
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	37	—	37
France .....	—	—	—	—	—	—	6	—	6
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	4,046	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	3,131	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	58	573	631
Netherlands .....	—	—	—	—	—	—	—	1,298	1,298
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	342	1,068	1,410
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	266	266
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	1,839	1,839
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	476	—	0	0	233	233
<b>Total</b> .....	—	7	—	14,922	—	1,244	2,633	15,805	19,682
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	317	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	1	1,124	1,325	68	—	18,826	116,441	400	77	477
Algeria	—	—	—	—	—	—	—	2,289	3,547	5	9	15
Angola	—	—	—	—	—	—	—	323	18,360	74	1	75
Ecuador	—	—	—	—	—	—	—	521	521	—	2	2
Gabon	—	—	—	—	—	—	—	156	156	—	1	1
Indonesia	—	—	1	—	—	—	—	439	439	—	2	2
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	12,969	53	—	53
Kuwait	—	—	—	—	—	—	—	90	90	—	0	0
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	5,523	50,729	185	23	208
Qatar	—	—	—	—	—	68	—	721	721	—	3	3
Saudi Arabia	—	—	—	—	—	—	—	227	13,486	54	1	55
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	1,124	1,325	—	—	8,693	15,579	28	36	64
<b>Non-OPEC</b>	20	13	518	203	5,110	1,600	—	235,442	347,821	461	965	1,425
Argentina	—	—	—	—	—	5	—	2,856	2,856	—	12	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	98	98	—	0	0
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	1	—	—	—	—	51	—	4,701	4,701	—	19	19
Brazil	—	—	20	—	—	24	—	1,679	4,665	12	7	19
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	16	13	280	11	4,584	996	—	92,087	152,364	247	377	624
Chad	—	—	—	—	—	—	—	—	5,711	23	—	23
China	—	—	102	—	—	—	—	644	644	—	3	3
Colombia	—	—	—	192	64	—	—	7,554	31,336	97	31	128
Congo (Brazzaville)	—	—	—	—	—	—	—	477	1,624	5	2	7
Denmark	—	—	—	—	—	—	—	201	201	—	1	1
Egypt	—	—	—	—	—	—	—	245	756	2	1	3
Equatorial Guinea	—	—	—	—	—	—	—	—	650	3	—	3
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	5,608	5,608	—	23	23
France	—	—	—	—	—	56	—	5,395	5,395	—	22	22
Germany	—	—	20	—	—	45	—	214	214	—	1	1
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	19,414	19,414	—	80	80
Italy	—	—	—	—	—	10	—	2,209	2,209	—	9	9
Korea, South	—	—	—	—	—	78	—	4,278	4,278	—	18	18
Latvia	—	—	—	—	—	—	—	317	317	—	1	1
Lithuania	—	—	—	—	—	—	—	634	634	—	3	3
Malaysia	—	—	1	—	—	—	—	27	27	—	0	0
Mexico	—	—	—	—	—	—	—	631	4,680	17	3	19
Netherlands	3	—	—	—	—	—	—	8,327	8,327	—	34	34
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	8,325	15,150	28	34	62
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	5,534	5,534	—	23	23
Russia	—	—	—	—	—	314	—	19,414	19,414	—	80	80
Spain	—	—	—	—	307	19	—	9,823	9,823	—	40	40
Sweden	—	—	—	—	—	—	—	1,717	1,717	—	7	7
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	3,719	3,719	—	15	15
United Kingdom	—	—	—	—	—	—	—	23,525	24,895	6	96	102
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	21	21	—	0	0
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	95	0	155	2	—	5,612	10,683	21	22	43
<b>Total</b>	<b>20</b>	<b>13</b>	<b>519</b>	<b>1,327</b>	<b>6,435</b>	<b>1,668</b>	<b>—</b>	<b>254,268</b>	<b>464,262</b>	<b>861</b>	<b>1,042</b>	<b>1,903</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>68</b>	<b>—</b>	<b>1,038</b>	<b>27,266</b>	<b>107</b>	<b>4</b>	<b>112</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	9,947	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	9,947	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	517,558	316	18,523	-	-	65	65	-	1,729	1,729
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	517,048	316	18,523	-	-	65	65	-	1,729	1,729
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	510	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	0	0	-	0	0
<b>Total</b> .....	527,505	316	18,523	-	-	65	65	-	1,729	1,729
<b>Persian Gulf<sup>3</sup></b> .....	9,947	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	317	-	-	270	-	162	122	554
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	317	-	-	270	-	162	122	554
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	-	-	317	-	-	270	-	162	122	554
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	1	2	—	—	420	—	371	416	787
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	1	2	—	—	420	—	371	416	787
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	—	0	—	0	0	0
<b>Total</b> .....	1	2	—	—	420	—	371	416	787
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	3	—	3	9,950	41	0	41
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	3	—	3	3	—	0	0
Saudi Arabia .....	—	—	—	—	—	—	—	—	9,947	41	—	41
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	649	493	46	137	1,657	1,669	—	27,429	544,987	2,121	112	2,234
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	649	493	46	134	1,657	1,662	—	27,419	544,467	2,119	112	2,231
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	7	—	7	7	—	0	0
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	510	2	—	2
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	3	—	—	—	3	3	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	1
<b>Total</b> .....	<b>649</b>	<b>493</b>	<b>46</b>	<b>137</b>	<b>1,657</b>	<b>1,672</b>	<b>—</b>	<b>27,432</b>	<b>554,937</b>	<b>2,162</b>	<b>112</b>	<b>2,274</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>9,950</b>	<b>41</b>	<b>0</b>	<b>41</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>479,044</b>	—	—	<b>32,540</b>	—	—	—	—	<b>2,032</b>	<b>2,032</b>
Algeria .....	4,711	—	—	26,590	—	—	—	—	196	196
Angola .....	16,374	—	—	2,258	—	—	—	—	—	—
Ecuador .....	8,662	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	397	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	70,273	—	—	323	—	—	—	—	—	—
Kuwait .....	31,891	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	966	—	—	—	—	—	—
Nigeria .....	7,528	—	—	—	—	—	—	—	567	567
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	167,401	—	—	1,351	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	531	—	—	—	—	—	—
Venezuela .....	<b>172,204</b>	—	—	<b>521</b>	—	—	—	—	<b>1,269</b>	<b>1,269</b>
<b>Non-OPEC</b> .....	<b>345,308</b>	<b>2,577</b>	<b>174</b>	<b>89,046</b>	—	<b>751</b>	<b>751</b>	—	<b>7,739</b>	<b>7,739</b>
Argentina .....	884	—	—	—	—	—	—	—	153	153
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	656	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	10,606	—	—	—	—	326	326
Brazil .....	24,322	—	—	96	—	65	65	—	471	471
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	525	—	—	—	—	—	—
Canada .....	84,101	—	—	507	—	569	569	—	498	498
Chad .....	12,931	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	96	96	—	—	—
Colombia .....	66,095	—	—	807	—	—	—	—	602	602
Congo (Brazzaville) .....	—	—	—	45	—	—	—	—	—	—
Denmark .....	627	—	—	—	—	—	—	—	—	—
Egypt .....	2,314	—	—	199	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	3,347	—	—	—	—	25	25
Germany .....	—	—	—	390	—	—	—	—	—	—
Guatemala .....	1,879	—	—	—	—	—	—	—	—	—
India .....	—	—	—	753	—	—	—	—	90	90
Italy .....	—	—	—	650	—	—	—	—	221	221
Korea, South .....	—	—	—	214	—	4	4	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	141,216	1,960	131	252	—	—	—	—	3,004	3,004
Netherlands .....	—	—	43	1,260	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	1,224	—	—	3,171	—	—	—	—	94	94
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	286	286
Russia .....	2,545	—	—	61,871	—	—	—	—	537	537
Spain .....	—	—	—	228	—	17	17	—	302	302
Sweden .....	—	—	—	228	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	1,445	—	—	—	—	—	—	—	—	—
United Kingdom .....	3,316	—	—	104	—	—	—	—	442	442
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	1,753	617	0	3,396	—	0	0	—	688	688
<b>Total</b> .....	<b>824,352</b>	<b>2,577</b>	<b>174</b>	<b>121,586</b>	—	<b>751</b>	<b>751</b>	—	<b>9,771</b>	<b>9,771</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>269,565</b>	—	—	<b>2,205</b>	—	—	—	—	—	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	262	—	—	789	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	789	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	262	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	1,777	616	63	2,268	—	—	216	313	1,796	488	2,813
Argentina .....	43	—	—	2,183	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	45	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	79	—	—	—	—	—	—	—	—	—	—
Brazil .....	558	616	63	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	162	162
Canada .....	—	—	—	40	—	—	—	—	300	—	300
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	50	—	50
Germany .....	94	—	—	—	—	—	—	—	102	—	113
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	220
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	220	—	220
Netherlands .....	733	—	—	—	—	—	—	—	24	—	139
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	270	—	—	—	—	—	216	—	492	—	708
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	388	200	588
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	—	—	0	313	220	126	313
<b>Total</b> .....	<b>2,039</b>	<b>616</b>	<b>63</b>	<b>3,057</b>	<b>—</b>	<b>—</b>	<b>216</b>	<b>313</b>	<b>1,796</b>	<b>488</b>	<b>2,813</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>262</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	337	12	1,064	4,169	5,245
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	328	342	670
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	292	—	292
Nigeria .....	—	—	—	—	—	12	309	—	321
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	337	—	5	155	160
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	130	3,672	3,802
<b>Non-OPEC</b> .....	—	—	—	—	2,749	1,151	2,599	11,221	14,971
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	40	—	143	183
Brazil .....	—	—	—	—	40	—	469	—	469
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	659	77	3	—	80
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	256	1,245	1,501
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	14	14
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	6	6
France .....	—	—	—	—	—	—	176	58	234
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	42	—	—	295	295
Korea, South .....	—	—	—	—	1,159	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	4,296	4,296
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	340	225	—	565
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	378	441	3,897	4,716
Spain .....	—	—	—	—	—	—	—	362	362
Sweden .....	—	—	—	—	—	—	—	141	141
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	349	349
United Kingdom .....	—	—	—	—	—	—	—	62	62
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	849	316	1,029	353	1,698
<b>Total</b> .....	—	—	—	—	3,086	1,163	3,663	15,390	20,216
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	337	—	333	497	830

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	380	210	—	—	72	2,469	—	44,336	523,380	1,963	182	2,145
Algeria .....	—	—	—	—	—	—	—	26,786	31,497	19	110	129
Angola .....	—	—	—	—	—	—	—	2,258	18,632	67	9	76
Ecuador .....	—	—	—	—	—	—	—	—	8,662	36	—	36
Gabon .....	—	—	—	—	—	—	—	397	397	—	2	2
Indonesia .....	—	—	—	—	—	437	—	1,226	1,226	—	5	5
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	993	71,266	288	4	292
Kuwait .....	—	—	—	—	—	—	—	—	31,891	131	—	131
Libya .....	—	—	—	—	—	—	—	1,258	1,258	—	5	5
Nigeria .....	—	210	—	—	—	—	—	1,098	8,626	31	5	35
Qatar .....	—	—	—	—	—	2,032	—	2,032	2,032	—	8	8
Saudi Arabia .....	380	—	—	—	—	—	—	2,228	169,629	686	9	695
United Arab Emirates .....	—	—	—	—	—	—	—	793	793	—	3	3
Venezuela .....	—	—	—	—	72	—	—	5,664	177,868	706	23	729
<b>Non-OPEC</b> .....	4,704	849	225	549	30	3,687	—	135,661	480,969	1,415	556	1,971
Argentina .....	17	377	—	285	—	17	—	3,075	3,959	4	13	16
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	45	701	3	0	3
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	480	—	480	480	—	2	2
Belgium .....	—	—	—	—	—	101	—	11,295	11,295	—	46	46
Brazil .....	61	—	—	—	—	—	—	2,456	26,778	100	10	110
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	687	687	—	3	3
Canada .....	40	139	—	—	—	—	—	2,832	86,933	345	12	356
Chad .....	—	—	—	—	—	—	—	—	12,931	53	—	53
China .....	—	—	91	—	—	—	—	187	187	—	1	1
Colombia .....	—	—	—	—	—	—	—	2,910	69,005	271	12	283
Congo (Brazzaville) .....	—	—	—	—	—	—	—	45	45	—	0	0
Denmark .....	—	—	—	—	—	—	—	14	641	3	0	3
Egypt .....	—	—	—	—	—	1	—	200	2,514	9	1	10
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	6	6	—	0	0
France .....	—	207	—	—	—	18	—	3,881	3,881	—	16	16
Germany .....	—	—	—	—	—	53	—	654	654	—	3	3
Guatemala .....	—	—	—	—	—	—	—	—	1,879	8	—	8
India .....	—	—	1	—	—	—	—	844	844	—	3	3
Italy .....	—	—	—	—	—	178	—	1,616	1,616	—	7	7
Korea, South .....	689	—	—	—	—	2,468	—	4,548	4,548	—	19	19
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	100	—	—	—	—	100	100	—	0	0
Mexico .....	3,389	—	—	—	—	—	—	13,252	154,468	579	54	633
Netherlands .....	137	—	—	—	—	12	—	2,335	2,335	—	10	10
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	84	—	—	—	3,914	5,138	5	16	21
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	286	286	—	1	1
Russia .....	—	—	—	—	—	—	—	68,103	70,648	10	279	290
Spain .....	—	—	1	—	—	92	—	1,002	1,002	—	4	4
Sweden .....	—	—	—	—	—	—	—	957	957	—	4	4
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	349	1,794	6	1	7
United Kingdom .....	117	—	—	158	—	94	—	977	4,293	14	4	18
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	254	126	32	22	30	173	—	8,214	9,967	5	33	39
<b>Total</b> .....	5,084	1,059	225	549	102	6,156	—	179,997	1,004,349	3,378	738	4,116
<b>Persian Gulf<sup>3</sup></b> .....	380	—	—	—	—	2,512	—	6,526	276,091	1,105	27	1,132

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	63,031	-	2,438	-	-	-	-	-	595	595
Canada .....	63,031	-	2,438	-	-	-	-	-	595	595
Other .....	0	-	0	-	-	-	-	-	0	0
Total .....	63,031	-	2,438	-	-	-	-	-	595	595
	PAD District 5									
OPEC .....	182,212	-	-	2,690	-	-	-	5	-	5
Algeria .....	-	-	-	2,379	-	-	-	-	-	-
Angola .....	7,645	-	-	-	-	-	-	-	-	-
Ecuador .....	50,888	-	-	-	-	-	-	-	-	-
Indonesia .....	10,307	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	9,911	-	-	-	-	-	-	-	-	-
Kuwait .....	16,958	-	-	-	-	-	-	-	-	-
Libya .....	2,337	-	-	311	-	-	-	-	-	-
Nigeria .....	280	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	81,578	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	1,962	-	-	-	-	-	-	-	-	-
Venezuela .....	346	-	-	-	-	-	-	5	-	5
Non-OPEC .....	113,205	-	2,924	11,879	-	616	616	562	7,139	7,701
Argentina .....	2,396	-	170	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	657	-	-	-	-	-	-	-	-	-
Brazil .....	8,243	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	55,188	-	2,437	267	-	447	447	-	3,450	3,450
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	27,453	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	133	-	-	-	-	-	-
Germany .....	-	-	-	333	-	-	-	-	-	-
Japan .....	-	-	-	210	-	-	-	-	-	-
Korea, South .....	-	-	119	-	-	169	169	-	816	816
Malaysia .....	1,359	-	-	1,202	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	314	-	-	529	-	-	-	-	229	229
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	7,989	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	468	-	120	-	-	-	-	-	-	-
Singapore .....	-	-	-	237	-	-	-	239	97	336
Sweden .....	-	-	-	46	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	430	430
United Kingdom .....	-	-	-	422	-	-	-	119	303	422
Vietnam .....	1,106	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	8,032	-	78	8,500	-	0	0	204	1,514	1,718
Total .....	295,417	-	2,924	14,569	-	616	616	567	7,139	7,706
Persian Gulf <sup>3</sup> .....	110,409	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	101	-	-	34	-	-	-	34
Canada .....	-	-	-	101	-	-	34	-	-	-	34
Other .....	-	-	-	0	-	-	0	-	-	-	0
Total .....	-	-	-	101	-	-	34	-	-	-	34
	PAD District 5										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	756	565	2,998	-	3,869	54	213	-	4,136
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	756	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	252	-	-	1,761	-	65	-	1,826
China .....	-	-	-	-	-	-	412	-	-	-	412
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	980	-	-	-	980
Korea, South .....	-	-	-	313	-	-	716	54	-	-	770
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	148	-	148
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	0	0	2,998	-	0	0	0	-	0
Total .....	-	-	756	565	2,998	-	3,869	54	213	-	4,136
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	Kerosene	Finished Aviation Gasoline							
	PAD District 4								
OPEC .....	—	—	—	4	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	4	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	7	—	3	—	—	—	—	—
Canada .....	—	7	—	—	—	—	—	—	—
Other .....	—	0	—	3	—	—	—	—	—
Total .....	—	7	—	7	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	49	—	—	329	—	329
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	49	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	329	—	329
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	39	—	21,129	—	—	259	17,031	17,290
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	40	—	—	34	1,363	1,397
China .....	—	—	—	3,094	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	1,931	—	—	—	—	—
Korea, South .....	—	—	—	15,338	—	—	—	—	—
Malaysia .....	—	—	—	72	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	8,665	8,665
Netherlands .....	—	39	—	—	—	—	—	702	702
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	634	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	20	—	—	225	6,301	6,526
Total .....	—	39	—	21,178	—	—	588	17,031	17,619
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2016**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Waxes	Petroleum Coke	Asphalt and Road Oil
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	4	4	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	4	4	—	0	0
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	356	—	8	3,596	66,627	258	15	273
Canada .....	—	—	—	—	356	—	8	3,593	66,624	258	15	273
Other .....	—	—	—	—	0	—	0	3	3	0	0	0
Total .....	—	—	—	—	356	—	8	3,600	66,631	258	15	273
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	3,074	185,286	747	13	759
Algeria .....	—	—	—	—	—	—	—	2,379	2,379	—	10	10
Angola .....	—	—	—	—	—	—	—	—	7,645	31	—	31
Ecuador .....	—	—	—	—	—	—	—	—	50,888	209	—	209
Indonesia .....	—	—	1	—	—	—	—	50	10,357	42	0	42
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	9,911	41	—	41
Kuwait .....	—	—	—	—	—	—	—	—	16,958	70	—	70
Libya .....	—	—	—	—	—	—	—	311	2,648	10	1	11
Nigeria .....	—	—	—	—	—	—	—	329	609	1	1	2
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	81,578	334	—	334
United Arab Emirates .....	—	—	—	—	—	—	—	—	1,962	8	—	8
Venezuela .....	—	—	—	—	—	—	—	5	351	1	0	1
Non-OPEC .....	302	—	343	235	853	118	—	71,884	185,089	464	295	759
Argentina .....	—	—	—	—	—	—	—	170	2,566	10	1	11
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	657	3	—	3
Brazil .....	—	—	—	—	—	—	—	756	8,999	34	3	37
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	1	235	652	52	—	11,056	66,244	226	45	271
China .....	—	—	260	—	—	—	—	3,766	3,766	—	15	15
Colombia .....	—	—	—	—	—	—	—	—	27,453	113	—	113
Finland .....	—	—	—	—	—	—	—	133	133	—	1	1
Germany .....	—	—	1	—	—	—	—	334	334	—	1	1
Japan .....	—	—	72	—	—	8	—	3,501	3,501	—	14	14
Korea, South .....	192	—	—	—	43	57	—	17,817	17,817	—	73	73
Malaysia .....	—	—	—	—	—	—	—	1,274	2,633	6	5	11
Mexico .....	—	—	—	—	—	—	—	8,665	8,665	—	36	36
Netherlands .....	—	—	—	—	—	—	—	1,499	1,813	1	6	7
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	7,989	33	—	33
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	120	588	2	0	2
Singapore .....	—	—	—	—	—	—	—	3,719	3,719	—	15	15
Sweden .....	—	—	—	—	—	—	—	46	46	—	0	0
Taiwan .....	110	—	—	—	—	—	—	1,174	1,174	—	5	5
United Kingdom .....	—	—	—	—	—	—	—	844	844	—	3	3
Vietnam .....	—	—	—	—	—	—	—	—	1,106	5	—	5
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	9	0	158	1	—	17,010	25,042	31	72	103
Total .....	302	—	344	235	853	118	—	74,958	370,375	1,211	307	1,518
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	110,409	452	—	452

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, August 2016**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>4,152</b>	<b>2,487</b>	<b>12,698</b>	<b>39</b>	<b>995</b>	<b>20,370</b>	<b>657</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>2,736</b>	<b>8,680</b>	<b>20,398</b>	<b>133</b>	<b>891</b>	<b>32,838</b>	<b>1,059</b>
Pentanes Plus .....	255	6,148	55	99	15	6,571	212
Liquefied Petroleum Gases .....	2,481	2,532	20,344	34	876	26,267	847
Ethane/Ethylene .....	1,310	1,946	—	—	—	3,256	105
Propane/Propylene .....	1,089	259	18,981	3	614	20,946	676
Normal Butane/Butylene .....	82	326	1,126	31	262	1,828	59
Isobutane/Isobutylene .....	1	0	236	—	—	237	8
<b>Other Liquids</b> .....	<b>2,286</b>	<b>707</b>	<b>10,520</b>	<b>37</b>	<b>738</b>	<b>14,288</b>	<b>461</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	22	606	3,537	19	123	4,305	139
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	3	0	2,209	—	2	2,215	71
Methyl Tertiary Butyl Ether (MTBE) .....	0	0	1,223	—	0	1,223	39
Other Oxygenates .....	3	0	987	—	2	992	32
Renewable Fuels (including Fuel Ethanol) ...	18	605	1,327	19	121	2,090	67
Fuel Ethanol .....	17	440	1,312	—	87	1,856	60
Biomass-Based Diesel .....	1	166	15	19	34	234	8
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	1,771	100	3,109	18	85	5,083	164
Naphthas and Lighter .....	1,255	94	2,635	18	82	4,083	132
Kerosene and Light Gas Oils .....	517	6	474	0	3	1,000	32
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	493	1	3,875	1	530	4,899	158
Reformulated .....	0	—	14	—	0	14	0
Conventional .....	493	1	3,861	1	530	4,885	158
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>4,177</b>	<b>1,261</b>	<b>74,883</b>	<b>40</b>	<b>10,687</b>	<b>91,048</b>	<b>2,937</b>
Finished Motor Gasoline .....	69	49	16,106	0	1,929	18,153	586
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	69	49	16,106	0	1,929	18,153	586
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	18	139	4,922	—	1,114	6,193	200
Kerosene .....	1	0	422	—	1	425	14
Distillate Fuel Oil .....	1,813	87	33,791	0	2,060	37,751	1,218
15 ppm sulfur and under .....	1,285	0	29,622	0	1,117	32,024	1,033
Greater than 15 ppm to 500 ppm sulfur .....	528	34	2,129	—	258	2,949	95
Greater than 500 ppm sulfur .....	0	53	2,040	—	684	2,778	90
Residual Fuel Oil .....	1,021	457	6,869	20	851	9,217	297
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	188	223	1,625	11	135	2,181	70
Waxes .....	71	31	15	0	8	126	4
Petroleum Coke .....	836	44	10,833	—	4,555	16,268	525
Asphalt and Road Oil .....	148	231	295	9	33	715	23
Miscellaneous Products .....	13	0	6	0	1	20	1
<b>Total</b> .....	<b>13,350</b>	<b>13,135</b>	<b>118,499</b>	<b>249</b>	<b>13,311</b>	<b>158,545</b>	<b>5,114</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-August 2016**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>39,209</b>	<b>16,092</b>	<b>61,662</b>	<b>2,392</b>	<b>3,311</b>	<b>122,665</b>	<b>503</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>17,230</b>	<b>70,935</b>	<b>189,057</b>	<b>1,279</b>	<b>9,687</b>	<b>288,188</b>	<b>1,181</b>
Pentanes Plus .....	710	49,522	517	863	104	51,717	212
Liquefied Petroleum Gases .....	16,520	21,413	188,540	415	9,583	236,471	969
Ethane/Ethylene .....	4,836	16,575	—	—	—	21,411	88
Propane/Propylene .....	10,286	1,786	170,051	22	6,548	188,693	773
Normal Butane/Butylene .....	1,391	3,050	17,093	394	3,035	24,962	102
Isobutane/Isobutylene .....	8	2	1,395	—	—	1,405	6
<b>Other Liquids</b> .....	<b>14,053</b>	<b>6,408</b>	<b>98,236</b>	<b>404</b>	<b>4,880</b>	<b>123,981</b>	<b>508</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	685	4,102	28,086	70	808	33,751	138
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	14	3	17,942	0	12	17,971	74
Methyl Tertiary Butyl Ether (MTBE) .....	1	0	10,963	—	0	10,964	45
Other Oxygenates .....	14	3	6,979	0	12	7,007	29
Renewable Fuels (including Fuel Ethanol) ...	670	4,099	10,144	70	796	15,780	65
Fuel Ethanol .....	665	3,073	9,839	2	587	14,165	58
Biomass-Based Diesel .....	5	1,027	305	68	209	1,615	7
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	11,872	1,264	40,220	326	871	54,553	224
Naphthas and Lighter .....	9,689	1,213	27,456	325	841	39,525	162
Kerosene and Light Gas Oils .....	2,182	51	12,764	1	30	15,028	62
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	1,496	1,042	29,931	7	3,200	35,677	146
Reformulated .....	4	1	37	—	2	43	0
Conventional .....	1,493	1,042	29,894	7	3,198	35,634	146
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>35,241</b>	<b>14,514</b>	<b>590,110</b>	<b>578</b>	<b>81,712</b>	<b>722,155</b>	<b>2,960</b>
Finished Motor Gasoline .....	679	3,006	123,800	9	12,492	139,986	574
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	679	3,006	123,800	9	12,492	139,986	574
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	381	3,468	33,781	0	5,220	42,851	176
Kerosene .....	256	253	2,122	—	17	2,648	11
Distillate Fuel Oil .....	18,535	1,779	252,506	35	23,450	296,305	1,214
15 ppm sulfur and under .....	14,734	686	220,904	0	15,152	251,476	1,031
Greater than 15 ppm to 500 ppm sulfur .....	3,170	830	20,867	35	3,529	28,431	117
Greater than 500 ppm sulfur .....	631	263	10,734	—	4,769	16,398	67
Residual Fuel Oil .....	7,588	2,174	52,276	409	8,416	70,863	290
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	1,588	1,360	14,050	84	1,857	18,939	78
Waxes .....	391	258	119	2	59	829	3
Petroleum Coke .....	5,059	1,217	107,851	2	29,862	143,991	590
Asphalt and Road Oil .....	653	996	3,355	37	330	5,371	22
Miscellaneous Products .....	111	2	250	0	9	372	2
<b>Total</b> .....	<b>105,734</b>	<b>107,948</b>	<b>939,065</b>	<b>4,652</b>	<b>99,588</b>	<b>1,256,988</b>	<b>5,152</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2016**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	—	0	0	—	116	116	—	—	—
Australia .....	—	0	1	—	—	1	1	—	0	0
Bahamas .....	—	—	206	0	—	358	358	—	1	1
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	1	—	0	—	—	—	—	0	0
Belize .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	1	1,543	316	—	482	482	—	—	—
Canada .....	10,209	6,489	2,714	1,372	—	224	224	0	450	450
Cayman Islands .....	—	—	10	—	—	14	14	—	—	—
Chile .....	—	—	1,136	101	—	—	—	—	—	—
China .....	995	0	576	0	—	8	8	—	0	0
Colombia .....	1,015	0	0	1,496	—	—	—	—	295	295
Costa Rica .....	—	0	126	1	—	488	488	—	481	481
Denmark .....	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	801	51	—	666	666	—	—	—
Ecuador .....	—	0	1,018	11	—	371	371	—	—	—
Egypt .....	—	—	—	0	—	—	—	—	—	—
El Salvador .....	—	0	219	1	—	425	425	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	669	60	—	0	0	11	—	11
Germany .....	—	—	—	3	—	—	—	—	1	1
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	2	960	5	—	1,067	1,067	0	—	0
Honduras .....	—	0	331	1	—	326	326	—	—	—
Hong Kong .....	—	0	—	1	—	—	—	—	—	—
India .....	—	0	—	8	—	—	—	—	—	—
Indonesia .....	—	—	—	0	—	—	—	—	0	0
Ireland .....	—	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	—	—	—	—	—	—	—
Italy .....	1,140	—	—	—	—	—	—	—	—	—
Jamaica .....	—	0	47	0	—	1	1	—	—	—
Japan .....	—	0	1,700	4	—	1	1	—	1	1
Korea, South .....	—	0	2,783	49	—	0	0	—	0	0
Lebanon .....	—	—	—	—	—	—	—	0	—	0
Mexico .....	—	38	3,511	657	—	11,329	11,329	2	2,687	2,689
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	3	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	3,123	36	4,108	1	—	145	145	—	967	967
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	0	—	—	—	0	—	0
Nicaragua .....	—	0	—	—	—	81	81	—	—	—
Nigeria .....	—	—	—	0	—	—	—	—	—	—
Norway .....	—	—	1,179	—	—	—	—	—	—	—
Pakistan .....	—	—	—	0	—	—	—	—	—	—
Panama .....	—	—	162	1	—	605	605	—	—	—
Peru .....	—	—	—	0	—	141	141	—	—	—
Philippines .....	—	—	—	1	—	—	—	—	—	—
Portugal .....	—	—	477	—	—	—	—	—	—	—
Puerto Rico .....	—	0	2	1	—	2	2	—	1	1
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	3	—	1	1	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	649	—	—	48	—	0	0	—	0	0
South Africa .....	411	—	79	0	—	—	—	—	—	—
Spain .....	410	—	—	318	—	—	—	—	0	0
Switzerland .....	746	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	0	—	0	0	—	—	—
Thailand .....	—	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	—	3	—	0	0	—	—	—
Turkey .....	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	1	—	—	—	—	—	—
United Kingdom .....	696	—	580	0	—	0	0	0	—	0
Venezuela .....	—	0	—	516	—	1,197	1,197	—	—	—
Other .....	976	4	1,329	50	—	104	104	1	1	2
<b>Total .....</b>	<b>20,370</b>	<b>6,571</b>	<b>26,267</b>	<b>5,083</b>	<b>—</b>	<b>18,153</b>	<b>18,153</b>	<b>14</b>	<b>4,885</b>	<b>4,899</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2016**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	0	—	—	—	—	1,446	—	—	—	1,446
Australia .....	—	0	0	—	—	—	0	—	—	—	0
Bahamas .....	—	2	1	—	—	—	352	—	—	—	352
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	7	0	0	—	—	—	353	287	—	—	641
Belize .....	—	—	—	—	—	—	0	—	—	—	0
Brazil .....	—	0	597	—	—	—	5,451	240	157	—	5,848
Canada .....	—	0	497	218	—	—	0	746	334	—	1,080
Cayman Islands .....	—	—	—	—	—	—	145	—	—	—	145
Chile .....	207	0	2	—	—	—	2,807	—	—	—	2,807
China .....	—	0	36	—	—	—	1	—	—	—	1
Colombia .....	—	0	0	—	—	—	1,366	—	—	—	1,366
Costa Rica .....	—	0	0	—	—	—	902	—	—	—	902
Denmark .....	—	—	—	—	—	—	58	—	—	—	58
Dominican Republic .....	—	—	1	—	—	—	497	133	—	—	631
Ecuador .....	—	0	—	—	—	—	1,316	—	259	—	1,575
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	0	29	—	—	29
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	—	—	—	—	2,504	—	—	—	2,504
Germany .....	0	0	0	—	—	—	495	—	—	—	495
Ghana .....	—	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	534	—	517	—	1,051
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	0	—	—	—	62	363	—	—	425
Honduras .....	—	—	—	—	—	—	125	290	—	—	415
Hong Kong .....	—	0	—	—	—	—	—	—	—	—	—
India .....	—	0	334	—	—	—	0	0	—	—	0
Indonesia .....	—	0	0	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—	—	—	—
Israel .....	—	0	—	—	—	—	2	—	—	—	2
Italy .....	—	—	—	—	—	—	0	—	—	—	0
Jamaica .....	—	—	69	—	—	—	368	—	—	—	368
Japan .....	—	985	0	—	—	—	0	—	—	—	0
Korea, South .....	0	0	1	—	—	—	0	—	—	—	0
Lebanon .....	—	0	—	—	—	—	—	—	—	—	—
Mexico .....	751	3	62	5	—	—	4,901	110	7	—	5,017
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	0	—	—	—	1,712	372	329	—	2,413
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	0	—	—	—	0
Nicaragua .....	—	—	—	1	—	—	105	—	—	—	105
Nigeria .....	—	0	80	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	295	—	—	—	295
Pakistan .....	—	0	—	—	—	—	—	—	—	—	—
Panama .....	—	—	—	—	—	—	1,224	293	—	—	1,517
Peru .....	—	0	53	11	—	—	2,418	—	—	—	2,418
Philippines .....	—	—	92	—	—	—	—	0	—	—	0
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	0	0	—	—	0
Romania .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	0	—	—	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	0	25	—	—	—	—	—	—	—	—
South Africa .....	—	0	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	20	—	—	—	20
Taiwan .....	0	0	0	—	—	—	0	—	—	—	0
Thailand .....	—	0	—	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	—	—	—	—	—	—	0	—	—	—	0
Turkey .....	—	0	—	—	—	—	0	—	—	—	0
United Arab Emirates .....	—	—	—	—	—	—	0	—	—	—	0
United Kingdom .....	—	0	0	—	—	—	1,293	—	—	—	1,293
Venezuela .....	258	—	—	—	—	—	299	—	—	—	299
Other .....	—	2	5	0	—	—	973	86	1,175	—	2,233
<b>Total .....</b>	<b>1,223</b>	<b>992</b>	<b>1,856</b>	<b>234</b>	<b>—</b>	<b>—</b>	<b>32,024</b>	<b>2,949</b>	<b>2,778</b>	<b>—</b>	<b>37,751</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2016**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	0	—	—	78	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	213	—	1	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	0	—	—	—	—	—	—	—
Canada .....	324	—	—	1,480	—	1,018	—	—
Cayman Islands .....	—	—	—	5	—	—	—	—
Chile .....	—	—	—	1	—	—	—	—
China .....	1	—	—	—	—	0	—	—
Colombia .....	0	—	—	110	—	—	—	—
Costa Rica .....	0	—	—	220	—	—	—	—
Denmark .....	—	—	—	—	—	50	—	—
Dominican Republic .....	13	—	—	252	—	84	—	—
Ecuador .....	—	—	—	—	—	210	—	—
Egypt .....	—	—	—	—	—	971	—	—
El Salvador .....	0	—	—	20	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	0	—	—	—	—	0	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	31	—	—	—	—
Honduras .....	0	—	—	65	—	463	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	333	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	—	—	389	—	—
Japan .....	—	—	—	1	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—
Lebanon .....	—	—	—	—	—	790	—	—
Mexico .....	85	—	—	839	—	1,856	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	310	—	751	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	341	—	352	—	—
Peru .....	0	—	—	260	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	—	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	0	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	1,600	—	—
South Africa .....	0	—	—	—	—	—	—	—
Spain .....	—	—	—	299	—	—	—	—
Switzerland .....	—	—	—	0	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—
Thailand .....	—	—	—	—	—	0	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	318	—	351	—	—
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	2	—	—	1,017	—	331	—	—
<b>Total .....</b>	<b>425</b>	<b>—</b>	<b>—</b>	<b>6,193</b>	<b>—</b>	<b>9,217</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2016**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	—	—	0	21	—	1,663	1,663	—	54	54
Australia .....	0	209	0	36	—	248	248	—	8	8
Bahamas .....	—	—	3	6	—	1,142	1,142	—	37	37
Bahrain .....	0	—	—	0	—	0	0	—	0	0
Belgium .....	0	55	0	301	0	1,005	1,005	—	32	32
Belize .....	0	—	—	1	—	1	1	—	0	0
Brazil .....	0	1,141	0	119	1	10,048	10,048	—	324	324
Canada .....	95	334	392	305	3	16,995	27,204	329	548	878
Cayman Islands .....	—	—	0	1	—	176	176	—	6	6
Chile .....	0	—	54	25	—	4,333	4,333	—	140	140
China .....	3	1,124	2	69	0	1,823	2,818	32	59	91
Colombia .....	0	—	—	85	1	3,355	4,370	33	108	141
Costa Rica .....	0	—	32	11	—	2,261	2,261	—	73	73
Denmark .....	—	178	—	0	—	286	286	—	9	9
Dominican Republic .....	0	360	—	20	—	2,879	2,879	—	93	93
Ecuador .....	0	184	0	59	—	3,428	3,428	—	111	111
Egypt .....	—	0	—	1	0	972	972	—	31	31
El Salvador .....	0	—	—	6	—	700	700	—	23	23
Finland .....	—	—	—	0	—	0	0	—	0	0
France .....	2	16	—	71	—	3,334	3,334	—	108	108
Germany .....	1	1	1	71	—	574	574	—	19	19
Ghana .....	—	—	—	0	—	0	0	—	0	0
Gibraltar .....	—	—	—	—	—	1,051	1,051	—	34	34
Greece .....	—	275	—	0	—	276	276	—	9	9
Guatemala .....	—	181	—	14	—	2,685	2,685	—	87	87
Honduras .....	—	257	—	8	—	1,867	1,867	—	60	60
Hong Kong .....	0	0	—	2	0	5	5	—	0	0
India .....	1	3,725	0	26	0	4,095	4,095	—	132	132
Indonesia .....	0	0	1	8	0	9	9	—	0	0
Ireland .....	—	193	—	0	—	193	193	—	6	6
Israel .....	—	303	—	4	0	642	642	—	21	21
Italy .....	0	446	0	1	0	448	1,587	37	14	51
Jamaica .....	—	—	1	20	0	896	896	—	29	29
Japan .....	2	1,955	1	4	5	4,658	4,658	—	150	150
Korea, South .....	0	1	2	4	1	2,843	2,843	—	92	92
Lebanon .....	—	—	—	0	—	790	790	—	25	25
Mexico .....	10	1,755	151	368	5	29,131	29,131	—	940	940
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	276	—	0	—	279	279	—	9	9
Mozambique .....	—	116	—	—	—	116	116	—	4	4
Netherlands .....	6	160	0	63	0	8,959	12,083	101	289	390
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	44	—	2	—	46	46	—	1	1
Nicaragua .....	—	—	0	5	—	192	192	—	6	6
Nigeria .....	—	0	—	218	—	298	298	—	10	10
Norway .....	0	53	—	0	—	1,527	1,527	—	49	49
Pakistan .....	0	0	0	0	0	1	1	—	0	0
Panama .....	—	—	69	12	—	3,059	3,059	—	99	99
Peru .....	0	167	0	23	—	3,073	3,073	—	99	99
Philippines .....	0	0	—	2	0	95	95	—	3	3
Portugal .....	—	—	—	—	—	477	477	—	15	15
Puerto Rico .....	0	—	0	10	—	18	18	—	1	1
Romania .....	—	91	—	0	—	91	91	—	3	3
Saudi Arabia .....	0	160	—	3	—	166	166	—	5	5
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	9	0	1,683	2,332	21	54	75
South Africa .....	0	62	—	1	—	143	554	13	5	18
Spain .....	0	85	—	0	0	703	1,113	13	23	36
Switzerland .....	—	—	1	0	—	21	767	24	1	25
Taiwan .....	0	0	0	5	0	7	7	—	0	0
Thailand .....	0	0	1	3	1	6	6	—	0	0
Trinidad and Tobago .....	—	—	—	2	0	6	6	—	0	0
Turkey .....	—	1,747	0	1	—	1,748	1,748	—	56	56
United Arab Emirates .....	0	0	—	31	—	32	32	—	1	1
United Kingdom .....	0	276	0	1	0	2,822	3,518	22	91	113
Venezuela .....	—	—	—	53	0	2,323	2,323	—	75	75
Other .....	6	338	4	70	3	5,471	6,448	32	176	207
<b>Total .....</b>	<b>126</b>	<b>16,268</b>	<b>715</b>	<b>2,181</b>	<b>20</b>	<b>138,174</b>	<b>158,545</b>	<b>657</b>	<b>4,457</b>	<b>5,114</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2016**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina .....	—	0	462	370	—	801	801	—	124	124
Australia .....	—	3	2,108	3	—	6	6	—	0	0
Bahamas .....	1,501	1	387	276	—	1,057	1,057	0	4	5
Bahrain .....	—	—	—	0	—	1	1	—	—	—
Belgium .....	—	5	734	140	—	0	0	—	1	1
Belize .....	—	0	—	—	—	147	147	—	32	32
Brazil .....	193	13	11,963	2,922	—	5,017	5,017	—	20	20
Canada .....	76,561	50,993	22,699	11,235	—	7,894	7,894	1	6,117	6,118
Cayman Islands .....	—	0	603	0	—	162	162	—	0	0
Chile .....	—	0	7,218	917	—	750	750	0	173	173
China .....	3,486	3	27,806	1,114	—	346	346	0	313	313
Colombia .....	1,515	7	2	10,627	—	5,772	5,772	0	419	419
Costa Rica .....	—	1	960	166	—	3,066	3,066	—	2,123	2,123
Denmark .....	—	0	—	—	—	—	—	—	0	0
Dominican Republic .....	298	1	6,753	137	—	2,442	2,442	0	100	100
Ecuador .....	—	0	5,575	11	—	5,987	5,987	0	1,287	1,287
Egypt .....	—	—	0	0	—	—	—	—	—	—
El Salvador .....	—	0	1,984	2	—	2,824	2,824	0	54	54
Finland .....	—	—	—	0	—	0	0	—	—	—
France .....	2,375	101	2,754	3,282	—	1	1	26	251	277
Germany .....	—	0	—	26	—	2	2	—	1	1
Ghana .....	—	—	964	0	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	1	0	—	1	1	—	—	—
Guatemala .....	—	9	3,699	108	—	8,190	8,190	0	438	438
Honduras .....	—	3	2,184	4	—	2,878	2,878	—	45	45
Hong Kong .....	—	0	7	3	—	8	8	—	0	0
India .....	—	0	0	104	—	—	—	—	0	0
Indonesia .....	—	—	550	20	—	—	—	—	0	0
Ireland .....	—	—	—	—	—	1	1	—	0	0
Israel .....	770	0	3	11	—	13	13	—	0	0
Italy .....	3,408	—	—	1,610	—	0	0	—	—	—
Jamaica .....	—	1	547	1	—	8	8	—	—	—
Japan .....	2,578	0	34,494	355	—	7	7	2	1	3
Korea, South .....	—	1	21,474	1,170	—	3	3	0	0	0
Lebanon .....	—	—	—	—	—	—	—	0	—	0
Mexico .....	—	242	26,363	2,140	—	70,992	70,992	10	21,184	21,194
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	1,906	40	—	0	0	—	—	—
Mozambique .....	—	—	551	—	—	—	—	—	—	—
Netherlands .....	9,091	299	16,739	5,117	—	1,958	1,958	—	1,239	1,239
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	2	0	—	1	1	1	—	1
Nicaragua .....	1,160	2	—	162	—	81	81	—	—	—
Nigeria .....	—	0	—	0	—	323	323	—	—	—
Norway .....	—	0	4,704	—	—	1	1	0	—	0
Pakistan .....	—	—	—	0	—	1	1	—	—	—
Panama .....	1,150	0	1,972	322	—	6,147	6,147	—	132	132
Peru .....	722	3	639	537	—	1,420	1,420	—	985	985
Philippines .....	—	—	—	3	—	0	0	—	0	0
Portugal .....	—	—	2,308	—	—	0	0	—	—	—
Puerto Rico .....	—	2	4	4	—	18	18	—	1	1
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	0	9	30	—	3	3	0	0	0
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	649	3	8,906	1,321	—	2,678	2,678	—	0	0
South Africa .....	411	—	122	0	—	0	0	—	—	—
Spain .....	410	0	2,936	2,105	—	1,031	1,031	—	0	0
Switzerland .....	1,188	0	1,088	920	—	—	—	—	—	—
Taiwan .....	—	1	0	21	—	0	0	—	0	0
Thailand .....	—	0	0	6	—	—	—	—	0	0
Trinidad and Tobago .....	—	1	0	37	—	1	1	—	0	0
Turkey .....	—	2	1,622	267	—	0	0	—	—	—
United Arab Emirates .....	—	1	0	3	—	438	438	—	0	0
United Kingdom .....	3,462	0	2,158	320	—	12	12	0	0	0
Venezuela .....	—	0	154	6,375	—	2,495	2,495	—	466	466
Other .....	11,737	19	8,357	209	—	5,002	5,002	3	124	126
<b>Total .....</b>	<b>122,665</b>	<b>51,717</b>	<b>236,471</b>	<b>54,553</b>	<b>—</b>	<b>139,986</b>	<b>139,986</b>	<b>43</b>	<b>35,634</b>	<b>35,677</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2016**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	0	0	—	—	—	13,173	378	300	—	13,851
Australia .....	0	0	1	0	—	—	319	315	—	—	634
Bahamas .....	—	5	9	—	—	—	1,659	193	1,349	—	3,201
Bahrain .....	—	—	0	—	—	—	—	—	—	—	—
Belgium .....	40	0	1	—	—	—	2,243	857	305	—	3,405
Belize .....	—	—	0	—	—	—	0	—	—	—	0
Brazil .....	0	0	2,688	—	—	—	24,814	1,499	778	—	27,091
Canada .....	—	2	3,435	1,369	—	—	3,132	4,583	1,045	—	8,760
Cayman Islands .....	34	—	—	—	—	—	445	—	—	—	445
Chile .....	1,698	0	9	0	—	—	22,987	1,853	—	—	24,839
China .....	44	1	3,118	0	—	—	6	0	—	—	6
Colombia .....	—	0	41	—	—	—	16,912	92	—	—	17,004
Costa Rica .....	—	0	1	—	—	—	5,454	—	0	—	5,455
Denmark .....	—	—	—	—	—	—	142	50	131	—	323
Dominican Republic .....	—	—	2	—	—	—	3,812	322	302	—	4,436
Ecuador .....	—	0	0	76	—	—	6,164	2,305	1,725	—	10,193
Egypt .....	—	—	1	—	—	—	0	—	—	—	0
El Salvador .....	—	—	0	—	—	—	258	1,059	464	—	1,781
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	11	1	0	—	—	—	15,604	—	—	—	15,604
Germany .....	0	0	1	—	—	—	1,328	—	—	—	1,328
Ghana .....	—	—	0	0	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	10,927	1,104	653	—	12,684
Greece .....	—	—	0	—	—	—	0	—	—	—	0
Guatemala .....	—	0	0	—	—	—	4,845	3,890	96	—	8,832
Honduras .....	—	—	—	—	—	—	1,207	2,201	0	—	3,409
Hong Kong .....	—	0	0	—	—	—	0	—	—	—	0
India .....	0	0	1,251	—	—	—	0	0	0	—	0
Indonesia .....	—	0	0	0	—	—	—	—	—	—	—
Ireland .....	0	0	2	—	—	—	—	—	—	—	—
Israel .....	—	0	1	—	—	—	174	—	—	—	174
Italy .....	—	0	0	—	—	—	1,175	—	—	—	1,175
Jamaica .....	—	—	297	—	—	—	1,164	—	339	—	1,503
Japan .....	—	6,977	2	—	—	—	2	—	—	—	2
Korea, South .....	33	1	561	—	—	—	485	—	—	—	485
Lebanon .....	—	0	1	—	—	—	0	—	—	—	0
Mexico .....	6,239	9	447	79	—	—	36,894	282	29	—	37,205
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	0	—	—	—	1,469	—	—	—	1,469
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	27	0	131	—	—	—	26,546	2,623	3,001	—	32,169
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	0	0	—	—	—	0	—	—	—	0
Nicaragua .....	—	—	—	3	—	—	225	—	0	—	225
Nigeria .....	—	0	248	0	—	—	—	—	—	—	—
Norway .....	—	0	30	—	—	—	296	308	—	—	604
Pakistan .....	—	0	—	—	—	—	—	—	—	—	—
Panama .....	—	0	0	—	—	—	8,290	1,933	503	—	10,726
Peru .....	—	0	550	86	—	—	14,621	—	—	—	14,621
Philippines .....	—	0	804	—	—	—	—	1	—	—	1
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	2	12	—	—	—	2	1	—	—	3
Romania .....	—	—	0	—	—	—	—	—	—	—	—
Saudi Arabia .....	0	0	39	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	5	131	0	—	—	1,100	88	1,548	—	2,735
South Africa .....	—	0	—	—	—	—	—	—	—	—	—
Spain .....	—	0	0	—	—	—	1,311	315	—	—	1,625
Switzerland .....	—	—	—	—	—	—	386	—	—	—	386
Taiwan .....	133	0	7	—	—	—	0	—	—	—	0
Thailand .....	—	0	—	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	—	0	0	0	—	—	0	—	—	—	0
Turkey .....	—	0	0	—	—	—	0	—	—	—	0
United Arab Emirates .....	—	0	261	0	—	—	0	—	—	—	0
United Kingdom .....	—	1	9	—	—	—	12,219	350	—	—	12,570
Venezuela .....	2,613	—	—	—	—	—	2,562	—	275	—	2,837
Other .....	92	3	74	2	—	—	7,124	1,829	3,555	—	12,509
<b>Total .....</b>	<b>10,964</b>	<b>7,007</b>	<b>14,165</b>	<b>1,615</b>	<b>—</b>	<b>—</b>	<b>251,476</b>	<b>28,431</b>	<b>16,398</b>	<b>—</b>	<b>296,305</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2016**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	3	—	—	917	—	0	—	—
Australia .....	0	—	—	0	—	0	—	—
Bahamas .....	—	—	—	740	—	2,572	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	309	—	—
Belize .....	0	—	—	—	—	—	—	—
Brazil .....	0	—	—	643	—	—	—	—
Canada .....	2,069	—	—	9,093	—	7,461	—	—
Cayman Islands .....	0	—	—	133	—	0	—	—
Chile .....	3	—	—	1,702	—	—	—	—
China .....	3	—	—	—	—	386	—	—
Colombia .....	2	—	—	327	—	0	—	—
Costa Rica .....	1	—	—	1,155	—	216	—	—
Denmark .....	—	—	—	441	—	173	—	—
Dominican Republic .....	13	—	—	983	—	563	—	—
Ecuador .....	—	—	—	25	—	1,511	—	—
Egypt .....	0	—	—	—	—	3,751	—	—
El Salvador .....	0	—	—	125	—	300	—	—
Finland .....	—	—	—	1,136	—	—	—	—
France .....	—	—	—	30	—	—	—	—
Germany .....	0	—	—	1	—	2	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	1,676	—	1,118	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	138	—	—	848	—	754	—	—
Honduras .....	0	—	—	365	—	2,856	—	—
Hong Kong .....	0	—	—	—	—	0	—	—
India .....	—	—	—	—	—	155	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	1	—	—	1,495	—	—	—	—
Italy .....	—	—	—	—	—	0	—	—
Jamaica .....	0	—	—	144	—	2,398	—	—
Japan .....	0	—	—	1	—	0	—	—
Korea, South .....	1	—	—	0	—	0	—	—
Lebanon .....	—	—	—	—	—	3,218	—	—
Mexico .....	94	—	—	7,617	—	7,929	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	727	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	2	—	—	2,020	—	6,704	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	0	—	—	—	—	0	—	—
Nicaragua .....	0	—	—	0	—	170	—	—
Nigeria .....	306	—	—	181	—	—	—	—
Norway .....	—	—	—	300	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	3,680	—	3,906	—	—
Peru .....	0	—	—	417	—	150	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	1	—	—	0	—	90	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	1	—	—	—	—	0	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	16,278	—	—
South Africa .....	1	—	—	10	—	331	—	—
Spain .....	—	—	—	550	—	0	—	—
Switzerland .....	—	—	—	0	—	—	—	—
Taiwan .....	—	—	—	0	—	—	—	—
Thailand .....	—	—	—	—	—	0	—	—
Trinidad and Tobago .....	0	—	—	—	—	0	—	—
Turkey .....	0	—	—	—	—	—	—	—
United Arab Emirates .....	1	—	—	0	—	1,481	—	—
United Kingdom .....	—	—	—	2,834	—	752	—	—
Venezuela .....	0	—	—	1	—	—	—	—
Other .....	8	—	—	3,261	—	4,602	—	—
<b>Total .....</b>	<b>2,648</b>	<b>—</b>	<b>—</b>	<b>42,851</b>	<b>—</b>	<b>70,863</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2016**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	1	0	2	308	3	16,844	16,844	—	69	69
Australia .....	3	1,717	124	149	3	4,751	4,751	—	19	19
Bahamas .....	0	—	15	22	0	8,289	9,790	6	34	40
Bahrain .....	0	—	—	3	—	4	4	—	0	0
Belgium .....	6	1,230	1	2,244	1	8,118	8,118	—	33	33
Belize .....	0	—	43	10	—	233	233	—	1	1
Brazil .....	2	8,136	1	1,738	6	60,239	60,432	1	247	248
Canada .....	604	5,008	1,618	1,984	32	140,374	216,935	314	575	889
Cayman Islands .....	—	—	5	16	—	1,399	1,399	—	6	6
Chile .....	3	647	282	540	1	38,785	38,785	—	159	159
China .....	26	10,777	85	669	4	44,703	48,189	14	183	197
Colombia .....	3	1	31	773	3	35,013	36,528	6	143	150
Costa Rica .....	1	358	149	144	0	13,796	13,796	—	57	57
Denmark .....	0	553	—	0	—	1,491	1,491	—	6	6
Dominican Republic .....	1	754	478	182	1	16,847	17,145	1	69	70
Ecuador .....	1	595	0	324	0	25,586	25,586	—	105	105
Egypt .....	1	2,914	—	4	0	6,672	6,672	—	27	27
El Salvador .....	1	147	—	190	0	7,409	7,409	—	30	30
Finland .....	—	—	0	14	—	1,151	1,151	—	5	5
France .....	14	761	0	421	0	23,258	25,634	10	95	105
Germany .....	14	2	8	524	3	1,912	1,912	—	8	8
Ghana .....	—	—	—	2	—	966	966	—	4	4
Gibraltar .....	—	—	—	—	—	15,479	15,479	—	63	63
Greece .....	—	1,928	—	2	—	1,932	1,932	—	8	8
Guatemala .....	0	868	26	138	—	24,047	24,047	—	99	99
Honduras .....	0	698	87	89	—	12,618	12,618	—	52	52
Hong Kong .....	3	0	0	15	1	38	38	—	0	0
India .....	9	35,415	7	265	1	37,208	37,208	—	152	152
Indonesia .....	1	0	6	33	0	610	610	—	2	2
Ireland .....	—	732	—	0	—	735	735	—	3	3
Israel .....	0	889	—	25	0	2,612	3,382	3	11	14
Italy .....	2	3,948	1	154	2	6,893	10,301	14	28	42
Jamaica .....	—	—	1	124	1	5,025	5,025	—	21	21
Japan .....	11	13,479	5	109	29	55,473	58,051	11	227	238
Korea, South .....	3	1,424	15	61	5	25,237	25,237	—	103	103
Lebanon .....	0	901	0	9	—	4,129	4,129	—	17	17
Mexico .....	72	10,825	1,208	3,436	243	196,333	196,333	—	805	805
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	0	3,888	—	0	—	8,030	8,030	—	33	33
Mozambique .....	—	525	—	0	—	1,076	1,076	—	4	4
Netherlands .....	18	2,330	6	520	14	69,293	78,385	37	284	321
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	412	1	7	—	424	424	—	2	2
Nicaragua .....	—	0	23	92	—	759	1,919	5	3	8
Nigeria .....	—	209	0	374	—	1,643	1,643	—	7	7
Norway .....	1	657	2	3	—	6,302	6,302	—	26	26
Pakistan .....	0	137	2	6	0	146	146	—	1	1
Panama .....	0	470	242	156	0	27,754	28,905	5	114	118
Peru .....	1	531	0	491	1	20,432	21,153	3	84	87
Philippines .....	0	0	—	23	2	835	835	—	3	3
Portugal .....	0	413	—	1	—	2,723	2,723	—	11	11
Puerto Rico .....	1	—	1	105	0	244	244	—	1	1
Romania .....	0	784	—	1	—	785	785	—	3	3
Saudi Arabia .....	1	470	0	69	0	622	622	—	3	3
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	1	275	1	160	0	32,494	33,143	3	133	136
South Africa .....	1	272	1	323	0	1,061	1,472	2	4	6
Spain .....	2	6,776	215	10	0	15,250	15,659	2	62	64
Switzerland .....	0	—	1	1	0	2,395	3,584	5	10	15
Taiwan .....	11	499	4	35	1	713	713	—	3	3
Thailand .....	8	606	11	31	2	665	665	—	3	3
Trinidad and Tobago .....	0	5	0	104	0	149	149	—	1	1
Turkey .....	0	14,010	1	54	0	15,958	15,958	—	65	65
United Arab Emirates .....	0	279	1	203	0	2,669	2,669	—	11	11
United Kingdom .....	2	1,232	3	14	1	19,908	23,369	14	82	96
Venezuela .....	0	186	0	539	0	15,667	15,667	—	64	64
Other .....	—	4,318	658	896	12	40,117	51,853	47	166	213
<b>Total .....</b>	<b>829</b>	<b>143,991</b>	<b>5,371</b>	<b>18,939</b>	<b>372</b>	<b>1,134,323</b>	<b>1,256,988</b>	<b>503</b>	<b>4,649</b>	<b>5,152</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2016**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,118</b>	<b>0</b>	<b>-14</b>	<b>130</b>	<b>-</b>	<b>-51</b>	<b>-51</b>	<b>0</b>	<b>35</b>	<b>35</b>
Algeria .....	-	-	19	131	-	-	-	-	6	6
Angola .....	137	-	-	12	-	-	-	-	10	10
Ecuador .....	253	0	-33	0	-	-12	-12	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	44	-	-	0	-	-	-	-	0	0
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	477	0	-	-	-	-	-	-	-	-
Kuwait .....	156	-	-	-	-	-	-	-	-	-
Libya .....	17	-	-	5	-	-	-	-	-	-
Nigeria .....	160	-	-	0	-	-	-	-	11	11
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	1,142	-	-	0	-	0	0	-	-	-
United Arab Emirates .....	16	-	-	0	-	-	-	-	-	-
Venezuela .....	715	0	-	-17	-	-39	-39	0	8	8
<b>Non-OPEC</b> .....	<b>4,261</b>	<b>-181</b>	<b>-695</b>	<b>255</b>	<b>-</b>	<b>-501</b>	<b>-501</b>	<b>207</b>	<b>310</b>	<b>517</b>
Argentina .....	-	-	0	0	-	-4	-4	-	1	1
Aruba .....	-	0	-36	-	-	0	0	-	-	-
Australia .....	21	0	0	-	-	0	0	-	0	0
Bahamas .....	-	-	-7	0	-	-12	-12	-	0	0
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	0	-	39	-	-	-	0	24	24
Brazil .....	235	0	-50	-10	-	-16	-16	-	16	16
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	0	-	4	-	-	-	-	-	-
Canada .....	2,957	-200	30	-44	-	13	13	92	56	148
Chad .....	61	-	-	-	-	-	-	-	-	-
China .....	-32	0	-19	0	-	0	0	-	0	0
Colombia .....	449	0	0	-42	-	-	-	-	14	14
Denmark .....	-	-	-	2	-	-	-	0	0	0
Dominican Republic .....	-	-	-26	-2	-	-21	-21	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	1	1	2	9	11
France .....	-	-	-22	8	-	10	10	19	-	19
Germany .....	-	-	-	1	-	-	-	2	0	2
Guatemala .....	9	0	-31	0	-	-34	-34	0	-	0
Honduras .....	-	0	-11	0	-	-11	-11	-	-	-
India .....	-	0	-	0	-	-	-	13	84	96
Italy .....	-37	-	-	-	-	-	-	5	5	10
Japan .....	-	0	-55	0	-	0	0	-	0	0
Korea, South .....	-	0	-88	-2	-	1	1	-	0	0
Latvia .....	-	-	-	-	-	-	-	-	2	2
Lithuania .....	-	-	-	-	-	-	-	-	10	10
Malaysia .....	-	-	-	0	-	-	-	-	-	-
Mexico .....	562	20	-113	-21	-	-365	-365	0	-58	-58
Netherlands .....	-101	-1	-133	2	-	-5	-5	13	-20	-8
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-38	11	-	-	-	2	35	37
Oman .....	19	-	-	0	-	-	-	-	-	-
Panama .....	-	-	-5	0	-	-20	-20	-	-	-
Portugal .....	-	-	-15	-	-	-	-	3	14	17
Puerto Rico .....	-	0	0	0	-	0	0	-	0	0
Russia .....	78	-	-	298	-	0	0	1	43	43
Spain .....	-13	-	-	-10	-	3	3	-	27	27
Sweden .....	-	-	-4	2	-	-	-	3	4	7
Trinidad and Tobago .....	12	0	-	0	-	0	0	-	11	11
United Kingdom .....	29	-	-19	10	-	0	0	54	21	75
Vietnam .....	-	0	-	0	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	0	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	12	0	-53	9	-	-41	-41	-2	12	13
<b>Total</b> .....	<b>7,378</b>	<b>-181</b>	<b>-709</b>	<b>385</b>	<b>-</b>	<b>-551</b>	<b>-551</b>	<b>207</b>	<b>345</b>	<b>552</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,792</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-8	0	-3	4	-	-	-52	-	-8	-	-60
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	0	-	-	-	-	-42	-	-8	-	-51
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	0	0	4	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	0	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	0	-3	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	0	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	0	-	-	-	0
Venezuela .....	-8	-	-	-	-	-	-10	-	-	-	-10
<b>Non-OPEC</b> .....	-23	-26	-49	47	18	-	-876	-88	-42	12	-994
Argentina .....	-	0	-	44	-	-	-47	-	-	-	-47
Aruba .....	-	-	0	-	-	-	0	-	-	-	0
Australia .....	-	0	0	-	-	-	0	-	-	-	0
Bahamas .....	-	0	0	-	-	-	-11	-	-	-	-11
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	1	0	0	-	-	-	-11	-9	-	-	-21
Brazil .....	2	6	-11	-	-	-	-176	-8	-5	-	-189
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	5	5
Canada .....	-	0	-16	0	-	-	76	-20	13	-	69
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	0	-1	-	-	-	5	-	-	-	5
Colombia .....	-	0	0	-	-	-	-44	3	2	-	-38
Denmark .....	-	-	-	-	-	-	-2	-	-	-	-2
Dominican Republic .....	-	-	0	-	-	-	-16	-4	-	-	-20
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	0	-	-	-	-	-81	-	-	-	-81
Germany .....	0	0	0	-	-	-	-16	-	-	-	-16
Guatemala .....	-	-	0	-	-	-	-2	-12	-	-	-14
Honduras .....	-	-	-	-	-	-	-4	-9	-	-	-13
India .....	-	0	-11	-	-	-	0	0	-	-	0
Italy .....	-	-	-	-	-	-	0	-	-	-	0
Japan .....	-	-32	0	-	-	-	10	-	-	-	10
Korea, South .....	0	0	0	4	-	-	10	-	-	-	10
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	0	-	-	-	-	0	-	-19	-	-19
Mexico .....	-24	0	-2	0	-	-	-158	-4	0	-	-162
Netherlands .....	5	0	0	-	-	-	-55	-12	-11	-	-78
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-10	-	-	-	-10
Oman .....	-	-	-	-	-	-	0	-	-	-	0
Panama .....	-	-	-	-	-	-	-39	-9	-	-	-49
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico .....	-	0	0	-	-	-	0	0	-	-	0
Russia .....	-	-	-	-	-	-	6	-	-	-	6
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	3	6	10
Trinidad and Tobago .....	-	-	-	-	-	-	0	-	5	-	5
United Kingdom .....	-	0	0	-	-	-	-42	-	-	-	-42
Vietnam .....	-	-	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S. ....	-	-	-	-	-	-	-5	-	-	-	-5
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-7	0	-8	-1	18	-	-264	-4	-30	1	-297
<b>Total</b> .....	-31	-26	-52	51	18	-	-928	-88	-50	12	-1,054
<b>Persian Gulf<sup>2</sup></b> .....	0	-	0	-	-	-	0	-	-	-	0

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	0	-	-	15	-	50	-	-
Algeria .....	-	-	-	-	-	13	-	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-7	-	-
Gabon .....	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	-	-	11	-	-
Kuwait .....	-	-	-	0	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	11	-	-
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	0	-	0	-	-
United Arab Emirates .....	0	-	-	-	-	-	-	-
Venezuela .....	-	-	-	15	-	22	-	-
<b>Non-OPEC</b> .....	-14	0	-	-68	9	-89	17	3
Argentina .....	0	-	-	-3	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-7	-	0	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	0	-
Brazil .....	0	-	-	-	1	5	-	-
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	-10	0	-	-35	7	4	3	3
Chad .....	-	-	-	-	-	-	-	-
China .....	0	-	-	17	-	0	-	-
Colombia .....	0	-	-	-4	-	17	-	-
Denmark .....	-	-	-	-	-	-2	-	-
Dominican Republic .....	0	-	-	-8	-	-3	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	1	-	-
France .....	-	-	-	-	-	2	-	1
Germany .....	0	-	-	-	-	0	-	-
Guatemala .....	-	-	-	-1	-	-	-	-
Honduras .....	0	-	-	-2	-	-15	-	-
India .....	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-
Japan .....	-	-	-	30	-	-	-	-
Korea, South .....	-	-	-	72	1	-	1	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-
Mexico .....	-3	-	-	-27	-	-11	12	-
Netherlands .....	-	-	-	-10	-	-24	1	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-11	-	-11	-	-
Portugal .....	-	-	-	-	-	-	-	-
Puerto Rico .....	-	-	-	0	-	-	-	-
Russia .....	-	-	-	-	-	54	-	-
Spain .....	-	-	-	-10	-	-	-	-
Sweden .....	-	-	-	-10	-	6	-	-
Trinidad and Tobago .....	-	-	-	-	-	16	-	-
United Kingdom .....	-	-	-	-10	-	-11	-	-
Vietnam .....	0	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	0	-	-	-	-	-11	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	-1	0	-	-49	0	-106	0	-1
<b>Total</b> .....	-14	0	-	-53	9	-39	17	3
<b>Persian Gulf<sup>2</sup></b> .....	0	-	-	0	-	11	-	-

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b> .....	0	-11	13	2	0	102	3,220
Algeria .....	—	—	—	—	—	169	169
Angola .....	—	—	0	0	—	22	159
Ecuador .....	0	-6	0	-2	—	-111	143
Gabon .....	—	—	—	—	—	—	—
Indonesia .....	0	0	0	3	0	8	51
Iran .....	—	—	—	—	—	—	—
Iraq .....	—	—	—	0	—	11	488
Kuwait .....	—	—	—	0	—	0	156
Libya .....	—	—	—	—	—	5	22
Nigeria .....	—	0	—	-7	—	12	172
Qatar .....	—	—	—	10	—	10	10
Saudi Arabia .....	0	-5	—	0	—	-5	1,137
United Arab Emirates .....	0	0	—	-1	—	-1	15
Venezuela .....	—	—	13	-2	0	-17	698
<b>Non-OPEC</b> .....	0	-501	21	-31	-1	-2,284	1,976
Argentina .....	—	6	0	-1	—	-2	-2
Aruba .....	—	—	0	0	—	-36	-36
Australia .....	0	-7	0	-1	—	-8	13
Bahamas .....	—	—	0	0	—	-37	-37
Bahrain .....	0	—	—	2	—	2	2
Belgium .....	0	-2	0	-9	0	32	32
Brazil .....	0	-37	0	-4	0	-286	-50
Brunei .....	—	—	—	0	—	0	0
Cameroon .....	—	—	—	0	—	9	9
Canada .....	-1	-9	28	0	0	-12	2,945
Chad .....	—	—	—	0	—	0	61
China .....	1	-36	0	-2	0	-36	-68
Colombia .....	0	—	—	-3	0	-55	393
Denmark .....	—	-6	—	0	—	-7	-7
Dominican Republic .....	0	-12	—	-1	—	-93	-93
Equatorial Guinea .....	—	—	—	0	—	0	0
Estonia .....	—	—	—	—	—	—	—
Finland .....	—	—	—	0	—	12	12
France .....	0	-1	—	-2	—	-65	-65
Germany .....	1	0	0	-2	—	-14	-14
Guatemala .....	—	-6	—	0	—	-87	-78
Honduras .....	—	-8	—	0	—	-60	-60
India .....	0	-120	0	-1	0	-36	-36
Italy .....	0	-14	0	1	0	-4	-40
Japan .....	0	-63	0	0	0	-110	-110
Korea, South .....	0	0	0	10	0	10	10
Latvia .....	—	—	—	0	0	2	2
Lithuania .....	—	—	—	—	—	10	10
Malaysia .....	0	-1	—	0	0	-20	-20
Mexico .....	0	-57	-5	-12	0	-829	-267
Netherlands .....	0	-5	0	-2	0	-258	-358
Netherlands Antilles .....	—	—	—	—	—	—	—
Norway .....	0	-2	—	0	—	0	0
Oman .....	—	-4	0	0	—	-4	15
Panama .....	—	—	-2	0	—	-99	-99
Portugal .....	—	—	—	—	—	2	2
Puerto Rico .....	0	—	0	0	—	-1	-1
Russia .....	—	—	0	0	—	401	479
Spain .....	0	-3	2	0	0	9	-4
Sweden .....	—	-1	—	0	0	9	9
Trinidad and Tobago .....	—	—	—	0	0	32	44
United Kingdom .....	0	-4	0	1	0	-1	28
Vietnam .....	0	-5	—	0	0	-5	-5
Virgin Islands, U.S. ....	—	—	—	0	—	-16	-16
Yemen .....	—	—	—	0	—	0	0
Other .....	-1	-104	-2	-5	-1	-633	-624
<b>Total</b> .....	0	-512	34	-29	-1	-2,182	5,196
<b>Persian Gulf<sup>2</sup></b> .....	0	-5	—	11	—	17	1,808

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2016**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,151</b>	<b>0</b>	<b>-23</b>	<b>120</b>	<b>-</b>	<b>-44</b>	<b>-44</b>	<b>0</b>	<b>38</b>	<b>38</b>
Algeria .....	24	-	2	121	-	-6	-6	-	1	1
Angola .....	172	-	-	9	-	-	-	-	1	1
Ecuador .....	244	0	-23	0	-	-25	-25	0	-3	-3
Gabon .....	-	-	-	2	-	-	-	-	-	-
Indonesia .....	42	-	-2	0	-	-	-	-	0	0
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	382	0	-	1	-	-	-	-	0	0
Kuwait .....	200	-	-	-	-	-	-	-	-	-
Libya .....	10	-	-	5	-	-	-	-	-	-
Nigeria .....	217	0	-	0	-	-1	-1	-	25	25
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	1,116	0	0	5	-	0	0	0	0	0
United Arab Emirates .....	8	0	0	2	-	-2	-2	-	0	0
Venezuela .....	<b>735</b>	<b>0</b>	<b>-1</b>	<b>-24</b>	<b>-</b>	<b>-10</b>	<b>-10</b>	<b>0</b>	<b>14</b>	<b>14</b>
<b>Non-OPEC</b> .....	<b>4,216</b>	<b>-200</b>	<b>-802</b>	<b>252</b>	<b>-</b>	<b>-467</b>	<b>-467</b>	<b>189</b>	<b>287</b>	<b>476</b>
Argentina .....	13	0	-1	-2	-	-3	-3	-	0	0
Aruba .....	-	0	-26	-1	-	-4	-4	-	0	0
Australia .....	5	0	-9	0	-	0	0	-	0	0
Bahamas .....	-6	0	-2	-1	-	-4	-4	0	0	0
Bahrain .....	-	-	-	0	-	0	0	-	-	-
Belgium .....	-	0	-3	46	-	5	5	2	14	15
Brazil .....	145	0	-49	-12	-	-19	-19	-	7	7
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	0	-	3	-	0	0	-	-	-
Canada .....	2,881	-208	43	-42	-	0	0	96	41	136
Chad .....	76	0	-	-	-	-	-	-	-	-
China .....	-14	0	-114	-5	-	-1	-1	0	-1	-1
Colombia .....	475	0	0	-39	-	-24	-24	0	13	13
Denmark .....	3	0	-	0	-	-	-	0	0	1
Dominican Republic .....	-1	0	-28	-1	-	-10	-10	0	0	0
Equatorial Guinea .....	7	-	-	0	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	0	0
Finland .....	-	-	-	1	-	0	0	1	22	23
France .....	-10	0	-11	2	-	1	1	16	2	19
Germany .....	-	0	-	3	-	0	0	0	0	0
Guatemala .....	8	0	-15	0	-	-34	-34	0	-2	-2
Honduras .....	-	0	-9	0	-	-12	-12	-	0	0
India .....	-	0	0	6	-	0	0	2	65	67
Italy .....	-14	-	-	-2	-	1	1	1	8	9
Japan .....	-11	0	-141	-1	-	0	0	0	2	2
Korea, South .....	-	0	-88	-4	-	1	1	0	6	6
Latvia .....	-	-	-	-	-	-	-	-	1	1
Lithuania .....	-	-	-	-	-	0	0	-	3	3
Malaysia .....	6	-	-	5	-	-1	-1	-	0	0
Mexico .....	597	7	-108	-8	-	-291	-291	0	-75	-75
Netherlands .....	-36	-1	-68	-14	-	-3	-3	9	10	19
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	33	0	-19	13	-	1	1	0	33	33
Oman .....	33	0	-	0	-	-	-	0	0	0
Panama .....	-5	0	-8	-1	-	-25	-25	-	-1	-1
Portugal .....	-	-	-9	-	-	3	3	9	11	20
Puerto Rico .....	-	0	0	0	-	0	0	-	0	0
Russia .....	39	-	-	304	-	0	0	1	40	40
Spain .....	-2	0	-12	-8	-	-3	-3	-	39	39
Sweden .....	-	-	0	2	-	0	0	0	1	1
Trinidad and Tobago .....	6	0	0	0	-	1	1	-	6	6
United Kingdom .....	5	0	-9	5	-	6	6	51	38	89
Vietnam .....	5	0	-	0	-	0	0	-	0	0
Virgin Islands, U.S. ....	-	0	0	0	-	0	0	0	0	0
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-22	2	-116	3	-	-52	-52	1	4	6
<b>Total</b> .....	<b>7,367</b>	<b>-200</b>	<b>-825</b>	<b>372</b>	<b>-</b>	<b>-511</b>	<b>-511</b>	<b>189</b>	<b>325</b>	<b>514</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,706</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>-</b>	<b>-2</b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-10	0	-2	5	-	-	-35	-11	-9	-	-55
Algeria .....	-	-	-	-	-	-	-1	-2	-1	-	-4
Angola .....	-	0	-	-	-	-	-	-	-	-	-
Ecuador .....	-	0	0	0	-	-	-25	-9	-7	-	-42
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	0	0	5	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	0	-	-	-	-	-	-	-	-
Kuwait .....	-	-	0	-	-	-	-	-	-	-	-
Libya .....	-	0	-	-	-	-	-	-	-1	-	-1
Nigeria .....	-	0	-1	0	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	1	-	1	-	3
Saudi Arabia .....	0	0	0	-	-	-	-	-	-	-	-
United Arab Emirates .....	1	0	-1	0	-	-	0	-	-	-	0
Venezuela .....	-11	-	-	-	-	-	-10	-	-1	-	-12
<b>Non-OPEC</b> .....	-27	-26	-52	22	13	-	-894	-101	-13	3	-1,006
Argentina .....	0	0	0	21	-	-	-54	-2	-1	-	-57
Aruba .....	-	-	0	-	-	-	-2	-	-	-	-2
Australia .....	0	0	0	0	-	-	-1	-1	-	-	-3
Bahamas .....	-	0	0	-	-	-	-7	-1	-6	-	-13
Bahrain .....	-	-	0	-	-	-	-	-	-	-	-
Belgium .....	0	0	0	-	-	-	-9	-4	-1	-	-14
Brazil .....	2	3	-8	-	-	-	-102	-6	-3	-	-111
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	0	-	-	-	-	-	-	1	1
Canada .....	-	0	-14	0	-	-	64	-17	30	1	78
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	0	0	-13	0	-	-	2	0	-	-	2
Colombia .....	-	0	0	-	-	-	-69	0	0	-	-69
Denmark .....	-	-	-	-	-	-	-1	0	-1	-	-1
Dominican Republic .....	-	-	0	-	-	-	-16	-1	-1	-	-18
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	0	0	0	-	-	-	-64	-	0	-	-64
Germany .....	0	0	0	0	-	-	-5	-	0	-	-5
Guatemala .....	-	0	0	-	-	-	-20	-16	0	-	-36
Honduras .....	-	-	-	-	-	-	-5	-9	0	-	-14
India .....	0	0	-5	-	-	-	3	0	0	-	3
Italy .....	-	0	0	-	-	-	-5	-	1	-	-4
Japan .....	-	-29	0	-	-	-	4	-	-	-	4
Korea, South .....	0	0	-2	1	-	-	3	0	-	-	3
Latvia .....	-	-	-	-	-	-	0	-	-	-	0
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	0	0	-	-	-	-	0	-	-8	-	-8
Mexico .....	-26	0	-2	0	-	-	-151	-1	1	-	-152
Netherlands .....	3	0	-1	-	-	-	-109	-11	-12	0	-131
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	0	0	-	-	-	-1	-1	-	-	-2
Oman .....	-	-	0	-	-	-	0	-	-	-	0
Panama .....	-	0	0	-	-	-	-34	-8	-2	-	-44
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico .....	-	0	0	-	-	-	0	0	-	-	0
Russia .....	1	-	-	-	-	-	10	0	2	-	12
Spain .....	-	0	0	-	-	-	-5	-1	-	-	-7
Sweden .....	-	-	0	-	-	-	0	-	3	1	4
Trinidad and Tobago .....	-	0	0	0	-	-	0	-	1	-	1
United Kingdom .....	-	0	0	-	-	-	-50	-1	-	-	-52
Vietnam .....	-	0	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S. ....	-	-	0	-	-	-	-5	-	-	-	-5
Yemen .....	-	-	0	-	-	-	-	-	-	-	-
Other .....	-7	0	-7	0	13	-	-265	-21	-16	0	-302
<b>Total</b> .....	-37	-26	-55	26	13	-	-929	-113	-22	3	-1,061
<b>Persian Gulf<sup>2</sup></b> .....	1	0	-1	0	-	-	1	-	1	-	3

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	-1	-	-	14	1	17	2	1
Algeria .....	-	-	-	-	-	5	-	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	0	-	-6	-	-
Gabon .....	-	-	-	-	-	1	-	-
Indonesia .....	-	-	-	0	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	-	-	3	-	-
Kuwait .....	-	-	-	0	-	-	-	-
Libya .....	-	-	-	-	-	1	-	-
Nigeria .....	-1	-	-	-1	-	3	-	1
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	0	-	-	1	1	1	2	-
United Arab Emirates .....	0	-	-	0	-	-6	-	-
Venezuela .....	0	-	-	14	-	17	-	-
<b>Non-OPEC</b> .....	-10	0	-	-42	13	-68	23	6
Argentina .....	0	-	-	-4	-	0	0	2
Aruba .....	0	-	-	-2	-	-1	-	-
Australia .....	0	-	-	0	-	0	-	-
Bahamas .....	-	-	-	-3	-	-9	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-1	0	-
Brazil .....	0	-	-	-3	0	3	0	-
Brunei .....	0	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	-8	0	-	-25	4	10	3	3
Chad .....	-	-	-	-	-	-	-	-
China .....	0	-	-	15	-	-2	-	-
Colombia .....	0	-	-	-1	-	22	-	-
Denmark .....	-	-	-	-2	-	-1	-	-
Dominican Republic .....	0	-	-	-4	-	-2	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-5	-	0	-	-
France .....	-	-	-	0	-	1	-	1
Germany .....	0	-	-	0	-	0	-	-
Guatemala .....	-1	-	-	-3	-	-3	-	-
Honduras .....	0	-	-	-1	-	-12	-	-
India .....	-	-	-	17	-	-1	-	-
Italy .....	-	-	-	-	0	1	-	-
Japan .....	0	-	-	9	3	0	1	-
Korea, South .....	0	-	-	76	5	0	4	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	0	-	-	0	-	-	-	-
Mexico .....	0	-	-	-31	-	23	14	-
Netherlands .....	0	0	-	-8	-	-19	1	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-1	-	2	-	-
Oman .....	-	-	-	-	-	0	-	-
Panama .....	0	-	-	-15	-	-16	-	-
Portugal .....	-	-	-	-	-	-	-	-
Puerto Rico .....	0	-	-	0	-	0	-	-
Russia .....	0	-	-	0	-	49	-	-
Spain .....	-	-	-	-2	-	1	-	-
Sweden .....	-	-	-	-3	-	2	-	-
Trinidad and Tobago .....	0	-	-	-	-	9	-	-
United Kingdom .....	-	-	-	-12	-	-3	0	-
Vietnam .....	0	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	0	-	-	0	-	-4	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	-1	0	-	-34	1	-117	0	0
<b>Total</b> .....	-11	0	-	-28	14	-51	25	6
<b>Persian Gulf<sup>2</sup></b> .....	0	-	-	1	1	-3	2	-

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2016**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b> .....	0	-4	6	4	0	67	3,218
Algeria .....	—	—	0	0	—	119	143
Angola .....	—	-1	0	0	—	9	182
Ecuador .....	0	-2	0	-1	0	-103	141
Gabon .....	—	0	0	0	—	2	2
Indonesia .....	0	0	0	2	0	5	47
Iran .....	—	—	—	—	—	—	—
Iraq .....	—	—	—	0	—	4	386
Kuwait .....	—	0	0	0	—	0	201
Libya .....	—	—	—	0	—	5	15
Nigeria .....	—	-1	0	-2	—	22	239
Qatar .....	—	0	—	9	—	11	11
Saudi Arabia .....	0	-2	0	0	0	8	1,123
United Arab Emirates .....	0	-1	0	-1	0	-8	0
Venezuela .....	0	4	6	-2	0	-5	730
<b>Non-OPEC</b> .....	1	-577	11	-42	-1	-2,502	1,715
Argentina .....	0	1	0	-1	0	-44	-31
Aruba .....	—	—	0	—	—	-35	-35
Australia .....	0	-7	-1	-1	0	-19	-14
Bahamas .....	0	—	0	0	0	-32	-38
Bahrain .....	0	—	—	2	—	2	2
Belgium .....	0	-5	0	-9	0	35	35
Brazil .....	0	-33	0	-7	0	-227	-82
Brunei .....	—	0	—	0	—	0	0
Cameroon .....	0	—	—	0	—	3	3
Canada .....	-1	-19	23	3	0	-14	2,868
Chad .....	—	—	—	0	—	0	76
China .....	2	-44	0	-3	0	-164	-179
Colombia .....	0	1	0	-3	0	-101	374
Denmark .....	—	-2	—	0	—	-5	-3
Dominican Republic .....	0	-3	-2	-1	0	-69	-70
Equatorial Guinea .....	—	—	—	0	—	0	7
Estonia .....	—	—	—	0	—	0	0
Finland .....	—	—	0	0	—	19	19
France .....	0	-3	0	-1	0	-57	-67
Germany .....	0	0	0	-2	0	-3	-3
Guatemala .....	0	-4	0	-1	—	-99	-91
Honduras .....	0	-3	0	0	—	-52	-52
India .....	0	-145	0	-1	0	-59	-59
Italy .....	0	-16	0	0	0	-11	-25
Japan .....	0	-55	0	0	0	-207	-218
Korea, South .....	0	-6	0	10	0	6	6
Latvia .....	0	—	—	0	0	1	1
Lithuania .....	0	—	—	0	—	3	3
Malaysia .....	0	0	0	0	0	-4	1
Mexico .....	0	-44	-5	-14	-1	-712	-115
Netherlands .....	0	-10	0	-2	0	-234	-270
Netherlands Antilles .....	—	—	—	—	—	—	—
Norway .....	0	-2	0	0	—	24	57
Oman .....	—	-1	0	0	—	-2	31
Panama .....	0	-2	-1	-1	0	-114	-118
Portugal .....	0	-2	—	0	—	13	13
Puerto Rico .....	0	—	0	0	0	-1	-1
Russia .....	0	—	0	1	—	407	447
Spain .....	0	-28	1	0	0	-17	-19
Sweden .....	0	0	—	0	0	5	5
Trinidad and Tobago .....	0	0	0	0	0	16	22
United Kingdom .....	0	-4	0	0	0	22	27
Vietnam .....	0	-1	0	0	0	-1	4
Virgin Islands, U.S. ....	—	—	0	-2	—	-11	-11
Yemen .....	—	—	—	0	—	0	0
Other .....	0	-140	-4	-9	0	-764	-785
<b>Total</b> .....	1	-581	17	-38	-1	-2,435	4,933
<b>Persian Gulf<sup>2</sup></b> .....	0	-4	0	9	0	17	1,722

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2016**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>17,615</b>	<b>147,631</b>	<b>941,567</b>	<b>21,725</b>	<b>50,172</b>	<b>1,178,710</b>
Refinery .....	12,640	14,544	47,906	2,352	23,061	100,503
Tank Farms and Pipelines (Includes Cushing, OK) ....	4,975	133,087	198,568	19,373	24,272	380,275
Cushing, Oklahoma .....	—	64,351	—	—	—	64,351
Leases <sup>1</sup> .....	—	—	—	—	—	—
Strategic Petroleum Reserve <sup>2</sup> .....	—	—	695,093	—	—	695,093
Alaskan In Transit .....	—	—	—	—	2,839	2,839
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>3</sup></b> .....	<b>184,109</b>	<b>192,938</b>	<b>394,039</b>	<b>20,334</b>	<b>92,674</b>	<b>884,094</b>
Refinery .....	17,687	50,011	120,090	10,177	50,503	248,468
Bulk Terminal .....	137,800	105,313	217,591	6,392	36,898	503,994
Pipeline .....	28,382	35,778	52,019	3,630	4,797	124,606
Natural Gas Processing Plant .....	240	1,836	4,339	135	476	7,026
<b>Pentanes Plus</b> .....	<b>405</b>	<b>9,191</b>	<b>14,358</b>	<b>330</b>	<b>54</b>	<b>24,338</b>
Refinery .....	—	328	525	21	1	875
Bulk Terminal .....	331	1,856	11,088	9	5	13,289
Pipeline .....	11	6,789	2,499	256	—	9,555
Natural Gas Processing Plant .....	63	218	246	44	48	619
<b>Liquefied Petroleum Gases</b> .....	<b>9,645</b>	<b>56,690</b>	<b>146,587</b>	<b>3,980</b>	<b>7,344</b>	<b>224,246</b>
Refinery .....	805	5,925	10,212	371	1,742	19,055
Bulk Terminal .....	7,948	41,501	119,485	1,916	5,174	176,024
Pipeline .....	715	7,646	12,797	1,602	—	22,760
Natural Gas Processing Plant .....	177	1,618	4,093	91	428	6,407
<b>Ethane/Ethylene</b> .....	<b>388</b>	<b>5,012</b>	<b>43,683</b>	<b>458</b>	<b>—</b>	<b>49,541</b>
Refinery .....	—	—	278	—	—	278
Bulk Terminal .....	196	2,560	37,913	—	—	40,669
Ethylene .....	—	—	—	—	—	—
Pipeline .....	192	2,195	4,495	456	—	7,338
Natural Gas Processing Plant .....	—	257	997	2	—	1,256
<b>Propane/Propylene</b> .....	<b>6,643</b>	<b>29,030</b>	<b>59,547</b>	<b>1,465</b>	<b>2,138</b>	<b>98,823</b>
Refinery .....	160	2,248	3,023	34	111	5,576
Bulk Terminal .....	5,846	22,498	49,996	664	1,980	80,984
Nonfuel Use .....	—	—	2,227	—	—	2,227
Pipeline .....	506	3,443	5,489	718	—	10,156
Natural Gas Processing Plant .....	131	841	1,039	49	47	2,107
<b>Normal Butane/Butylene</b> .....	<b>2,427</b>	<b>20,247</b>	<b>38,018</b>	<b>1,782</b>	<b>4,604</b>	<b>67,078</b>
Refinery .....	482	3,183	5,754	217	1,084	10,720
Bulk Terminal .....	1,906	15,426	28,536	1,251	3,193	50,312
Refinery Grade Butane .....	15	7,066	8,870	690	—	16,641
Pipeline .....	6	1,336	1,939	282	—	3,563
Natural Gas Processing Plant .....	33	302	1,789	32	327	2,483
<b>Isobutane/Isobutylene</b> .....	<b>187</b>	<b>2,401</b>	<b>5,339</b>	<b>275</b>	<b>602</b>	<b>8,804</b>
Refinery .....	163	494	1,157	120	547	2,481
Bulk Terminal .....	—	1,017	3,040	1	1	4,059
Pipeline .....	11	672	874	146	—	1,703
Natural Gas Processing Plant .....	13	218	268	8	54	561
<b>Other Hydrocarbons</b> .....	<b>—</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>14</b>
Refinery .....	—	14	—	—	—	14
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>—</b>	<b>—</b>	<b>1,092</b>	<b>—</b>	<b>—</b>	<b>1,092</b>
Refinery .....	—	—	63	—	—	63
Bulk Terminal .....	—	—	1,029	—	—	1,029
Pipeline .....	—	—	—	—	—	—
<b>MTBE</b> .....	<b>—</b>	<b>—</b>	<b>848</b>	<b>—</b>	<b>—</b>	<b>848</b>
Refinery .....	—	—	63	—	—	63
Bulk Terminal <sup>4</sup> .....	—	—	785	—	—	785
Pipeline .....	—	—	—	—	—	—
<b>Other Oxygenates<sup>5</sup></b> .....	<b>—</b>	<b>—</b>	<b>244</b>	<b>—</b>	<b>—</b>	<b>244</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	244	—	—	244
Pipeline .....	—	—	—	—	—	—
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	<b>8,990</b>	<b>7,817</b>	<b>5,063</b>	<b>366</b>	<b>4,040</b>	<b>26,276</b>
Refinery .....	195	135	430	118	383	1,261
Bulk Terminal .....	8,795	7,682	4,633	246	3,657	25,013
Pipeline .....	—	—	—	2	—	2
<b>Fuel Ethanol<sup>3</sup></b> .....	<b>7,212</b>	<b>7,045</b>	<b>3,767</b>	<b>349</b>	<b>2,669</b>	<b>21,042</b>
Refinery .....	190	100	211	106	32	639
Bulk Terminal .....	7,022	6,945	3,556	241	2,637	20,401
Pipeline .....	—	—	—	2	—	2
<b>Renewable Diesel Fuel</b> .....	<b>1,778</b>	<b>772</b>	<b>1,290</b>	<b>17</b>	<b>1,339</b>	<b>5,196</b>
Refinery .....	5	35	219	12	319	590
Bulk Terminal .....	1,773	737	1,071	5	1,020	4,606
Pipeline .....	—	—	—	—	—	—
<b>Other Renewable Fuels</b> .....	<b>—</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>32</b>	<b>38</b>
Refinery .....	—	—	—	—	32	32
Bulk Terminal .....	—	—	6	—	—	6
Pipeline .....	—	—	—	—	—	—

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Unfinished Oils</b> .....	<b>5,151</b>	<b>13,182</b>	<b>43,581</b>	<b>3,062</b>	<b>19,018</b>	<b>83,994</b>
<b>Naphthas and Lighter</b> .....	<b>1,261</b>	<b>3,489</b>	<b>11,185</b>	<b>650</b>	<b>3,218</b>	<b>19,803</b>
Refinery .....	1,261	3,091	9,998	650	3,075	18,075
Bulk Terminal .....	—	398	1,187	—	143	1,728
<b>Kerosene and Light Gas Oils</b> .....	<b>598</b>	<b>2,951</b>	<b>7,043</b>	<b>562</b>	<b>3,316</b>	<b>14,470</b>
Refinery .....	597	2,835	6,873	562	3,148	14,015
Bulk Terminal .....	1	116	170	—	168	455
<b>Heavy Gas Oils</b> .....	<b>2,493</b>	<b>4,478</b>	<b>19,329</b>	<b>1,322</b>	<b>10,157</b>	<b>37,779</b>
Refinery .....	2,481	4,465	17,573	1,322	10,050	35,891
Bulk Terminal .....	12	13	1,756	—	107	1,888
<b>Residuum</b> .....	<b>799</b>	<b>2,264</b>	<b>6,024</b>	<b>528</b>	<b>2,327</b>	<b>11,942</b>
Refinery .....	799	2,020	6,024	528	2,327	11,698
Bulk Terminal .....	—	244	—	—	—	244
<b>Motor Gasoline Blending Components<sup>3</sup></b> .....	<b>59,477</b>	<b>45,306</b>	<b>68,743</b>	<b>4,881</b>	<b>25,901</b>	<b>204,308</b>
Refinery .....	5,029	12,571	26,353	2,685	12,563	59,201
Bulk Terminal .....	43,312	22,471	25,721	1,462	11,221	104,187
Pipeline .....	11,136	10,264	16,669	734	2,117	40,920
<b>Reformulated - RBOB</b> .....	<b>19,223</b>	<b>6,188</b>	<b>10,767</b>	<b>—</b>	<b>13,286</b>	<b>49,464</b>
Refinery .....	1,577	1,269	1,866	—	4,995	9,707
Bulk Terminal .....	13,999	3,538	4,505	—	6,966	29,008
Pipeline .....	3,647	1,381	4,396	—	1,325	10,749
<b>Conventional</b> .....	<b>40,254</b>	<b>39,118</b>	<b>57,976</b>	<b>4,881</b>	<b>12,615</b>	<b>154,844</b>
Refinery .....	3,452	11,302	24,487	2,685	7,568	49,494
Bulk Terminal .....	29,313	18,933	21,216	1,462	4,255	75,179
Pipeline .....	7,489	8,883	12,273	734	792	30,171
<b>CBOB</b> .....	<b>27,566</b>	<b>31,008</b>	<b>31,810</b>	<b>3,386</b>	<b>6,015</b>	<b>99,785</b>
Refinery .....	708	5,436	10,504	1,191	1,701	19,540
Bulk Terminal .....	19,369	17,161	9,116	1,461	3,525	50,632
Pipeline .....	7,489	8,411	12,190	734	789	29,613
<b>GTAB</b> .....	<b>892</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>892</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	892	—	—	—	—	892
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	<b>11,796</b>	<b>8,110</b>	<b>26,166</b>	<b>1,495</b>	<b>6,600</b>	<b>54,167</b>
Refinery .....	2,744	5,866	13,983	1,494	5,867	29,954
Bulk Terminal .....	9,052	1,772	12,100	1	730	23,655
Pipeline .....	—	472	83	—	3	558
<b>Aviation Gasoline Blending Components</b> .....	<b>—</b>	<b>—</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>16</b>
Refinery .....	—	—	16	—	—	16
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	<b>5,599</b>	<b>6,087</b>	<b>9,604</b>	<b>1,954</b>	<b>2,397</b>	<b>25,641</b>
Refinery .....	39	1,362	3,732	968	1,182	7,283
Bulk Terminal .....	2,763	2,448	3,398	755	1,120	10,484
Pipeline .....	2,797	2,277	2,474	231	95	7,874
<b>Reformulated</b> .....	<b>30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>48</b>
Refinery .....	—	—	—	—	18	18
Bulk Terminal .....	30	—	—	—	—	30
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>48</b>
Refinery .....	—	—	—	—	18	18
Bulk Terminal .....	30	—	—	—	—	30
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Other)</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>5,569</b>	<b>6,087</b>	<b>9,604</b>	<b>1,954</b>	<b>2,379</b>	<b>25,593</b>
Refinery .....	39	1,362	3,732	968	1,164	7,265
Bulk Terminal .....	2,733	2,448	3,398	755	1,120	10,454
Pipeline .....	2,797	2,277	2,474	231	95	7,874
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>44</b>	<b>124</b>	<b>—</b>	<b>51</b>	<b>—</b>	<b>219</b>
Refinery .....	—	—	—	48	—	48
Bulk Terminal .....	44	124	—	3	—	171
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>44</b>	<b>124</b>	<b>—</b>	<b>51</b>	<b>—</b>	<b>219</b>
Refinery .....	—	—	—	48	—	48
Bulk Terminal .....	44	124	—	3	—	171
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>5,525</b>	<b>5,963</b>	<b>9,604</b>	<b>1,903</b>	<b>2,379</b>	<b>25,374</b>
Refinery .....	39	1,362	3,732	920	1,164	7,217
Bulk Terminal .....	2,689	2,324	3,398	752	1,120	10,283
Pipeline .....	2,797	2,277	2,474	231	95	7,874

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Finished Aviation Gasoline</b> .....	<b>158</b>	<b>135</b>	<b>278</b>	<b>10</b>	<b>222</b>	<b>803</b>
Refinery .....	—	68	230	10	155	463
Bulk Terminal .....	158	67	48	—	67	340
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>9,889</b>	<b>7,010</b>	<b>15,041</b>	<b>788</b>	<b>9,971</b>	<b>42,699</b>
Refinery .....	630	1,996	5,445	404	4,214	12,689
Bulk Terminal .....	4,888	3,243	3,872	267	4,797	17,067
Pipeline .....	4,371	1,771	5,724	117	960	12,943
<b>Kerosene</b> .....	<b>1,961</b>	<b>157</b>	<b>186</b>	<b>2</b>	<b>20</b>	<b>2,326</b>
Refinery .....	190	138	119	2	4	453
Bulk Terminal .....	1,707	19	48	—	16	1,790
Pipeline .....	64	—	19	—	—	83
<b>Distillate Fuel Oil<sup>5</sup></b> .....	<b>64,123</b>	<b>32,094</b>	<b>45,340</b>	<b>3,173</b>	<b>14,804</b>	<b>159,534</b>
Refinery .....	2,563	7,060	14,119	1,416	5,775	30,933
Bulk Terminal .....	52,272	18,003	19,389	1,069	7,410	98,143
Pipeline .....	9,288	7,031	11,832	688	1,619	30,458
<b>15 ppm sulfur and Under</b> .....	<b>51,877</b>	<b>30,824</b>	<b>38,781</b>	<b>2,907</b>	<b>13,418</b>	<b>137,807</b>
Refinery .....	1,901	6,115	11,345	1,175	4,663	25,199
Bulk Terminal .....	41,687	17,885	16,510	1,046	7,265	84,393
Pipeline .....	8,289	6,824	10,926	686	1,490	28,215
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>6,515</b>	<b>391</b>	<b>2,054</b>	<b>145</b>	<b>385</b>	<b>9,490</b>
Refinery .....	150	119	1,191	120	382	1,962
Bulk Terminal .....	6,188	115	494	23	3	6,823
Pipeline .....	177	157	369	2	—	705
<b>Greater than 500 ppm sulfur</b> .....	<b>5,731</b>	<b>879</b>	<b>4,505</b>	<b>121</b>	<b>1,001</b>	<b>12,237</b>
Refinery .....	512	826	1,583	121	730	3,772
Bulk Terminal .....	4,397	3	2,385	—	142	6,927
Pipeline .....	822	50	537	—	129	1,538
<b>Residual Fuel Oil<sup>6</sup></b> .....	<b>10,596</b>	<b>1,419</b>	<b>22,934</b>	<b>203</b>	<b>4,475</b>	<b>39,627</b>
Refinery .....	672	1,139	3,697	203	2,665	8,376
Bulk Terminal .....	9,924	280	19,237	—	1,804	31,245
Pipeline .....	—	—	—	—	6	6
<b>Less than 0.31% Sulfur</b> .....	<b>1,016</b>	<b>72</b>	<b>2,174</b>	<b>5</b>	<b>213</b>	<b>3,480</b>
Refinery .....	68	72	164	5	—	309
Bulk Terminal .....	948	—	2,010	—	213	3,171
<b>0.31% to 1.00% Sulfur</b> .....	<b>2,059</b>	<b>143</b>	<b>2,962</b>	<b>9</b>	<b>590</b>	<b>5,763</b>
Refinery .....	110	88	205	9	435	847
Bulk Terminal .....	1,949	55	2,757	—	155	4,916
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>7,521</b>	<b>1,204</b>	<b>17,798</b>	<b>189</b>	<b>3,666</b>	<b>30,378</b>
Refinery .....	494	979	3,328	189	2,230	7,220
Bulk Terminal .....	7,027	225	14,470	—	1,436	23,158
<b>Petrochemical Feedstocks</b> .....	<b>155</b>	<b>569</b>	<b>2,202</b>	<b>—</b>	<b>3</b>	<b>2,929</b>
Refinery .....	155	569	2,202	—	3	2,929
Naphtha for Petrochemical Feedstock Use .....	155	424	1,266	—	3	1,848
Other Oils for Petrochemical Feedstock Use .....	—	145	936	—	—	1,081
<b>Special Naphthas</b> .....	<b>29</b>	<b>135</b>	<b>1,143</b>	<b>—</b>	<b>53</b>	<b>1,360</b>
Refinery .....	13	62	907	—	53	1,035
Bulk Terminal .....	16	73	236	—	—	325
<b>Lubricants</b> .....	<b>1,269</b>	<b>692</b>	<b>8,898</b>	<b>—</b>	<b>1,161</b>	<b>12,020</b>
Refinery .....	729	230	5,382	—	923	7,264
Bulk Terminal .....	540	462	3,516	—	238	4,756
<b>Waxes</b> .....	<b>289</b>	<b>43</b>	<b>233</b>	<b>—</b>	<b>—</b>	<b>565</b>
Refinery .....	289	43	233	—	—	565
<b>Petroleum Coke</b> .....	<b>—</b>	<b>1,003</b>	<b>3,127</b>	<b>99</b>	<b>1,571</b>	<b>5,800</b>
Refinery .....	—	1,003	3,127	99	1,571	5,800
<b>Asphalt and Road Oil</b> .....	<b>6,338</b>	<b>11,281</b>	<b>5,186</b>	<b>1,469</b>	<b>1,570</b>	<b>25,844</b>
Refinery .....	1,205	4,844	2,408	801	599	9,857
Bulk Terminal .....	5,133	6,437	2,778	668	971	15,987
<b>Miscellaneous Products</b> .....	<b>35</b>	<b>113</b>	<b>427</b>	<b>17</b>	<b>70</b>	<b>662</b>
Refinery .....	35	113	422	17	70	657
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	5	—	—	5
<b>Total Stocks, All Oils</b> .....	<b>201,724</b>	<b>340,569</b>	<b>1,335,606</b>	<b>42,059</b>	<b>142,846</b>	<b>2,062,804</b>

— = No Data Reported.

<sup>1</sup> Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

<sup>2</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>3</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

<sup>4</sup> Includes stocks held by merchant producers.

<sup>5</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>6</sup> Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, August 2016**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b> .....	<b>30</b>	<b>2,772</b>	<b>2,802</b>	<b>15,576</b>	<b>32,765</b>	<b>48,341</b>	<b>1,897</b>
Connecticut .....	—	—	—	1,232	—	1,232	35
Delaware .....	—	—	—	847	603	1,450	176
District of Columbia .....	—	—	—	—	—	—	—
Florida .....	—	936	936	—	5,955	5,955	—
Georgia .....	—	295	295	—	2,797	2,797	—
Maine .....	—	—	—	269	338	607	195
Maryland .....	—	—	—	1,332	80	1,412	111
Massachusetts .....	3	—	3	1,300	27	1,327	27
New Hampshire .....	—	—	—	—	—	—	23
New Jersey .....	—	921	921	6,419	10,819	17,238	149
New York .....	27	—	27	527	2,195	2,722	646
North Carolina .....	—	197	197	—	2,407	2,407	345
Pennsylvania .....	—	17	17	1,314	4,199	5,513	112
Rhode Island .....	—	—	—	758	—	758	—
South Carolina .....	—	198	198	—	1,474	1,474	27
Vermont .....	—	44	44	—	—	—	4
Virginia .....	—	128	128	1,578	1,768	3,346	47
West Virginia .....	—	36	36	—	103	103	—
<b>PAD District 2</b> .....	<b>—</b>	<b>3,810</b>	<b>3,810</b>	<b>4,807</b>	<b>30,235</b>	<b>35,042</b>	<b>157</b>
Illinois .....	—	376	376	2,444	4,288	6,732	129
Indiana .....	—	247	247	891	4,226	5,117	—
Iowa .....	—	80	80	—	1,400	1,400	—
Kansas .....	—	285	285	—	2,935	2,935	21
Kentucky .....	—	324	324	494	1,033	1,527	3
Michigan .....	—	173	173	56	2,588	2,644	—
Minnesota .....	—	401	401	70	2,269	2,339	—
Missouri .....	—	194	194	284	628	912	—
Nebraska .....	—	113	113	—	466	466	—
North Dakota .....	—	166	166	—	571	571	—
Ohio .....	—	682	682	15	3,823	3,838	—
Oklahoma .....	—	371	371	—	2,481	2,481	4
South Dakota .....	—	68	68	—	220	220	—
Tennessee .....	—	184	184	—	1,871	1,871	—
Wisconsin .....	—	146	146	553	1,436	1,989	—
<b>PAD District 3</b> .....	<b>—</b>	<b>7,130</b>	<b>7,130</b>	<b>6,371</b>	<b>45,703</b>	<b>52,074</b>	<b>167</b>
Alabama .....	—	165	165	—	1,426	1,426	5
Arkansas .....	—	151	151	—	751	751	—
Louisiana .....	—	1,389	1,389	573	11,319	11,892	51
Mississippi .....	—	1,528	1,528	39	2,009	2,048	—
New Mexico .....	—	94	94	—	519	519	—
Texas .....	—	3,803	3,803	5,759	29,679	35,438	111
<b>PAD District 4</b> .....	<b>—</b>	<b>1,723</b>	<b>1,723</b>	<b>—</b>	<b>4,147</b>	<b>4,147</b>	<b>2</b>
Colorado .....	—	471	471	—	878	878	—
Idaho .....	—	308	308	—	197	197	—
Montana .....	—	380	380	—	1,105	1,105	—
Utah .....	—	149	149	—	1,281	1,281	2
Wyoming .....	—	415	415	—	686	686	—
<b>PAD District 5</b> .....	<b>18</b>	<b>2,284</b>	<b>2,302</b>	<b>11,961</b>	<b>11,823</b>	<b>23,784</b>	<b>20</b>
Alaska .....	—	718	718	—	—	—	16
Arizona .....	—	92	92	681	411	1,092	—
California .....	18	472	490	11,208	6,371	17,579	4
Hawaii .....	—	1	1	—	548	548	—
Nevada .....	—	156	156	19	344	363	—
Oregon .....	—	70	70	—	1,246	1,246	—
Washington .....	—	775	775	53	2,903	2,956	—
<b>U.S. Total</b> .....	<b>48</b>	<b>17,719</b>	<b>17,767</b>	<b>38,715</b>	<b>124,673</b>	<b>163,388</b>	<b>2,243</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, August 2016**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane/ Propylene
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b> .....	<b>43,588</b>	<b>6,338</b>	<b>4,909</b>	<b>54,835</b>	<b>10,596</b>	<b>6,137</b>
Connecticut .....	3,039	2,486	146	5,671	30	—
Delaware .....	574	27	59	660	642	18
District of Columbia .....	—	—	—	—	—	—
Florida .....	2,143	40	—	2,183	1,778	626
Georgia .....	1,280	—	—	1,280	457	13
Maine .....	1,223	2	661	1,886	151	—
Maryland .....	3,369	444	—	3,813	853	3
Massachusetts .....	870	739	678	2,287	229	—
New Hampshire .....	298	—	153	451	18	595
New Jersey .....	15,917	464	1,139	17,520	3,687	129
New York .....	5,804	776	668	7,248	1,389	1,736
North Carolina .....	1,142	—	8	1,150	—	455
Pennsylvania .....	3,884	359	848	5,091	637	1,465
Rhode Island .....	743	785	93	1,621	66	—
South Carolina .....	789	—	—	789	253	1,023
Vermont .....	40	—	34	74	—	—
Virginia .....	2,390	199	422	3,011	406	4
West Virginia .....	83	17	—	100	—	70
<b>PAD District 2</b> .....	<b>24,000</b>	<b>234</b>	<b>829</b>	<b>25,063</b>	<b>1,419</b>	<b>25,587</b>
Illinois .....	3,447	—	—	3,447	340	974
Indiana .....	3,345	—	227	3,572	72	464
Iowa .....	2,465	—	—	2,465	3	493
Kansas .....	1,796	—	—	1,796	22	16,014
Kentucky .....	859	—	3	862	302	306
Michigan .....	1,371	74	—	1,445	157	5,545
Minnesota .....	1,957	5	12	1,974	116	376
Missouri .....	738	36	3	777	104	142
Nebraska .....	717	—	—	717	—	382
North Dakota .....	913	2	—	915	103	60
Ohio .....	2,171	—	74	2,245	90	712
Oklahoma .....	1,707	81	488	2,276	16	64
South Dakota .....	550	—	—	550	—	14
Tennessee .....	975	—	—	975	42	5
Wisconsin .....	989	36	22	1,047	52	36
<b>PAD District 3</b> .....	<b>27,855</b>	<b>1,685</b>	<b>3,968</b>	<b>33,508</b>	<b>22,934</b>	<b>54,058</b>
Alabama .....	1,501	24	19	1,544	543	27
Arkansas .....	888	—	56	944	—	60
Louisiana .....	4,579	1,023	1,329	6,931	11,464	4,252
Mississippi .....	1,117	490	104	1,711	44	5,652
New Mexico .....	275	—	—	275	78	13
Texas .....	19,495	148	2,460	22,103	10,805	44,054
<b>PAD District 4</b> .....	<b>2,221</b>	<b>143</b>	<b>121</b>	<b>2,485</b>	<b>203</b>	<b>747</b>
Colorado .....	446	—	—	446	9	19
Idaho .....	152	—	—	152	—	—
Montana .....	804	62	—	866	69	22
Utah .....	428	38	121	587	33	677
Wyoming .....	391	43	—	434	92	29
<b>PAD District 5</b> .....	<b>11,928</b>	<b>385</b>	<b>872</b>	<b>13,185</b>	<b>4,469</b>	<b>2,138</b>
Alaska .....	941	—	81	1,022	221	2
Arizona .....	656	3	—	659	—	1,211
California .....	7,319	382	292	7,993	2,568	530
Hawaii .....	189	—	494	683	891	54
Nevada .....	402	—	5	407	—	—
Oregon .....	759	—	—	759	7	—
Washington .....	1,662	—	—	1,662	782	341
<b>U.S. Total</b> .....	<b>109,592</b>	<b>8,785</b>	<b>10,699</b>	<b>129,076</b>	<b>39,621</b>	<b>88,667</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, August 2016**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>124</b>	<b>173</b>	<b>0</b>	<b>4,781</b>	<b>30,683</b>	<b>7,441</b>	<b>4,292</b>	<b>515</b>	<b>26,196</b>
<b>Petroleum Products</b> .....	<b>14,096</b>	<b>68</b>	<b>0</b>	<b>13,065</b>	<b>29,076</b>	<b>7,128</b>	<b>3,861</b>	<b>99,980</b>	<b>25,410</b>
Pentanes Plus .....	11	0	—	0	1,537	314	—	0	4,337
Liquefied Petroleum Gases .....	3,815	0	—	863	17,955	3,330	—	1,110	1,719
Unfinished Oils .....	56	0	—	0	662	—	—	0	436
Motor Gasoline Blending Components .....	7,184	68	0	1,073	1,381	1,453	0	52,227	9,752
Reformulated - RBOB .....	0	0	0	104	250	—	0	9,420	5,009
Conventional .....	7,184	68	0	969	1,131	1,453	0	42,807	4,743
CBOB .....	7,184	0	0	969	1,024	1,453	0	42,672	3,684
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	68	—	0	107	—	—	135	1,059
Renewable Fuels .....	0	0	0	10,189	5,310	0	0	173	45
Fuel Ethanol .....	0	0	0	10,048	5,230	374	3,703	173	0
Renewable Diesel Fuel <sup>2</sup> .....	0	0	0	141	80	100	159	0	45
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	165	0	0	51	222	300	0	6,432	1,405
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	165	0	0	51	222	300	0	6,432	1,405
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	165	0	0	51	222	300	0	6,432	1,405
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	372	86
Kerosene-Type Jet Fuel .....	215	0	0	76	18	714	0	14,671	1,655
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,632	0	0	699	985	543	0	24,325	5,476
15 ppm sulfur and under .....	2,632	0	0	699	985	543	0	22,404	5,285
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—	—	424	144
Greater than 500 ppm sulfur .....	0	0	—	0	0	—	—	1,497	47
Residual Fuel Oil .....	0	0	—	—	859	—	—	—	0
Petrochemical Feedstocks .....	18	0	—	0	79	—	—	0	0
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	79	—	—	—	0
Other Oils for Petrochemical Feedstock Use .....	18	—	—	0	—	—	—	0	0
Special Naphthas .....	0	0	—	—	0	—	—	—	28
Lubricants .....	0	0	0	0	0	—	0	341	212
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	114	68	—	—	329	240
Miscellaneous Products .....	0	0	—	—	0	—	—	—	19
<b>Total</b> .....	<b>14,220</b>	<b>241</b>	<b>0</b>	<b>17,846</b>	<b>59,758</b>	<b>14,569</b>	<b>8,154</b>	<b>100,495</b>	<b>51,606</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	0	46	0	17,597	1,821	0	0	0	0
<b>Petroleum Products</b> .....	0	5,495	0	7,336	6,433	1,262	0	6	0
Pentanes Plus .....	0	—	0	746	1,119	—	0	0	0
Liquefied Petroleum Gases .....	0	—	0	5,622	5,314	—	0	0	0
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,752	0	230	0	828	0	0	0
Reformulated - RBOB .....	—	2,287	0	0	0	0	0	0	—
Conventional .....	0	1,465	0	230	0	828	0	0	0
CBOB .....	0	1,465	0	230	0	828	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Renewable Fuels .....	0	541	0	0	0	0	0	0	0
Fuel Ethanol .....	0	321	0	0	0	0	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	221	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	297	0	253	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	297	0	253	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	297	0	253	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	256	0	36	0	0	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	0	946	0	405	0	181	0	0	0
15 ppm sulfur and under .....	0	946	0	405	0	181	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Residual Fuel Oil .....	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks .....	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	0	0	—	—	0	—	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	0	0	0	0	0	0	6	—
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	—	—	0	0	0	—	0	0	—
Miscellaneous Products .....	—	—	—	0	0	—	—	0	—
<b>Total</b> .....	0	5,541	0	24,933	8,254	1,262	0	6	0

— = No Data Reported.

<sup>1</sup> Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2016**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>124</b>	<b>73</b>	<b>276</b>	<b>29,313</b>	<b>7,441</b>	<b>206</b>	<b>26,021</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>13,972</b>	<b>0</b>	<b>1,972</b>	<b>21,895</b>	<b>6,654</b>	<b>84,857</b>	<b>23,076</b>	<b>0</b>	<b>4,954</b>
Pentanes Plus .....	11	0	0	1,537	314	0	4,337	0	-
Liquefied Petroleum Gases .....	3,815	0	863	17,955	3,330	1,081	1,719	0	-
Motor Gasoline Blending Components .....	7,134	0	594	1,274	1,453	44,962	9,144	0	3,752
Reformulated - RBOB .....	0	0	0	250	-	9,420	5,009	-	2,287
Conventional .....	7,134	0	594	1,024	1,453	35,542	4,135	0	1,465
CBOB .....	7,134	0	594	1,024	1,453	35,542	3,554	0	1,465
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	-	-	581	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	165	0	27	126	300	3,612	1,213	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	165	0	27	126	300	3,612	1,213	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	165	0	27	126	300	3,612	1,213	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	215	0	76	18	714	13,453	1,655	0	256
Kerosene .....	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil .....	2,632	0	412	985	543	21,749	5,008	0	946
15 ppm sulfur and under .....	2,632	0	412	985	543	19,828	4,864	0	946
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	424	144	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	1,497	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>14,096</b>	<b>73</b>	<b>2,248</b>	<b>51,208</b>	<b>14,095</b>	<b>85,063</b>	<b>49,097</b>	<b>0</b>	<b>4,954</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	0	17,597	370	—	0	0
<b>Petroleum Products</b> .....	0	7,336	6,433	1,262	0	0
Pentanes Plus .....	0	746	1,119	—	0	0
Liquefied Petroleum Gases .....	0	5,622	5,314	—	0	0
Motor Gasoline Blending Components .....	0	230	0	828	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	230	0	828	0	0
CBOB .....	0	230	0	828	0	0
GTAB .....	—	—	—	—	—	—
Other .....	—	0	0	—	0	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	297	0	253	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	297	0	253	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	297	0	253	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	36	0	0	0	0
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	405	0	181	0	0
15 ppm sulfur and under .....	0	405	0	181	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	—	0	—	0	—
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	—	—	—	—	—	—
<b>Total</b> .....	0	24,933	6,803	1,262	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 2016**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>0</b>	<b>100</b>	<b>—</b>	<b>323</b>	<b>635</b>	<b>—</b>
<b>Petroleum Products</b> .....	<b>124</b>	<b>68</b>	<b>0</b>	<b>904</b>	<b>2,669</b>	<b>0</b>
Liquefied Petroleum Gases .....	—	0	—	0	0	—
Unfinished Oils .....	56	0	—	0	662	—
Motor Gasoline Blending Components .....	50	68	—	479	107	—
Reformulated - RBOB .....	0	—	—	104	—	—
Conventional .....	50	68	—	375	107	—
CBOB .....	50	0	—	375	0	—
GTAB .....	—	—	—	—	—	—
Other .....	0	68	—	0	107	—
Renewable Fuels .....	0	0	—	0	798	—
Fuel Ethanol .....	0	0	—	0	798	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	—	24	96	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	24	96	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	24	96	—
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	—	0	—	0	0	—
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	0	—	287	0	—
15 ppm sulfur and under .....	0	0	—	287	0	—
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	0	0	—	—	0	—
Residual Fuel Oil .....	0	0	—	—	859	—
Less than 0.31 percent sulfur .....	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	—	—	—	—	—	—
Greater than 1.00 percent sulfur .....	0	0	—	—	859	—
Petrochemical Feedstocks .....	18	0	—	0	79	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	79	—
Other Oils for Petrochemical Feedstock Use .....	18	—	—	0	—	—
Special Naphthas .....	0	0	—	—	0	—
Lubricants .....	0	0	0	0	0	0
Waxes .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	114	68	—
Miscellaneous Products .....	0	0	—	—	0	—
<b>Total</b> .....	<b>124</b>	<b>168</b>	<b>0</b>	<b>1,227</b>	<b>3,304</b>	<b>0</b>

See footnotes at end of table.



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b> .....	<b>309</b>	—	<b>309</b>	—	<b>175</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>15,123</b>	<b>8</b>	<b>556</b>	<b>14,559</b>	<b>2,289</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
Liquefied Petroleum Gases .....	29	—	—	29	—	—	0	—	0
Unfinished Oils .....	0	—	—	—	436	—	0	0	0
Motor Gasoline Blending Components .....	7,265	—	135	7,130	608	—	0	0	0
Reformulated - RBOB .....	0	—	—	—	0	—	0	0	—
Conventional .....	7,265	—	135	7,130	608	—	0	0	0
CBOB .....	7,130	—	—	7,130	130	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	135	—	135	—	478	—	0	0	0
Renewable Fuels .....	173	—	—	173	0	—	0	0	0
Fuel Ethanol .....	173	—	—	173	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	2,820	—	—	2,820	192	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,820	—	—	2,820	192	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	2,820	—	—	2,820	192	—	0	0	0
Finished Aviation Gasoline .....	372	8	21	343	86	—	0	0	0
Kerosene-Type Jet Fuel .....	1,218	—	—	1,218	—	—	0	—	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,576	—	—	2,576	468	—	0	0	0
15 ppm sulfur and under .....	2,576	—	—	2,576	421	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	47	—	—	0	0
Residual Fuel Oil .....	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur .....	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks .....	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	0	—	—	—	0	—	0	0	—
Special Naphthas .....	—	—	—	—	28	—	—	0	0
Lubricants .....	341	—	243	98	212	0	0	0	6
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	329	—	157	172	240	—	0	0	0
Miscellaneous Products .....	—	—	—	—	19	—	—	0	0
<b>Total</b> .....	<b>15,432</b>	<b>8</b>	<b>865</b>	<b>14,559</b>	<b>2,464</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>

— = No Data Reported.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, August 2016**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	4,182	735	0	4,292
Fuel Ethanol .....	0	0	0	0	10,048	4,432	374	3,703
Biodiesel .....	0	0	0	0	141	80	100	159

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	46	0	0	1,451	0
Fuel Ethanol .....	0	0	0	321	0	0	0	0
Biodiesel .....	0	45	0	221	0	0	0	0

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	0

– = No Data Reported.  
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, August 2016**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	124	0	0	124
3 .....	73	100	0	173
4 .....	0	—	0	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	276	323	4,182	4,781
3 .....	29,313	635	735	30,683
4 .....	7,441	—	0	7,441
5 .....	—	—	4,292	4,292
<b>From 3 to</b>				
1 .....	206	309	0	515
2 .....	26,021	175	0	26,196
4 .....	0	—	0	0
5 .....	—	—	46	46
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	17,597	0	0	17,597
3 .....	370	0	1,451	1,821
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, August 2016**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>5,296</b>	<b>297</b>	<b>4,999</b>	<b>43,917</b>	<b>47,197</b>	<b>-3,280</b>	<b>32,676</b>	<b>26,757</b>	<b>5,920</b>
<b>Petroleum Products</b>	<b>113,045</b>	<b>14,164</b>	<b>98,881</b>	<b>46,842</b>	<b>53,131</b>	<b>-6,288</b>	<b>35,583</b>	<b>130,885</b>	<b>-95,302</b>
Pentanes Plus	0	11	-11	5,094	1,851	3,243	2,656	4,337	-1,681
Liquefied Petroleum Gases	1,973	3,815	-1,842	11,156	22,148	-10,992	23,269	2,829	20,440
Ethane/Ethylene	45	3,752	-3,707	5,553	9,068	-3,515	9,040	269	8,771
Propane/Propylene	1,928	45	1,883	3,228	9,875	-6,647	10,271	1,729	8,542
Normal Butane/Butylene	0	5	-5	1,323	2,373	-1,050	2,750	274	2,476
Isobutane/Isobutylene	0	13	-13	1,052	832	220	1,208	557	651
Unfinished Oils	0	56	-56	492	662	-170	662	436	226
Motor Gasoline Blending Components	53,300	7,252	46,048	17,166	3,907	13,259	1,449	65,731	-64,282
Reformulated - RBOB	9,524	0	9,524	5,009	354	4,655	250	16,716	-16,466
Conventional	43,776	7,252	36,524	12,157	3,553	8,604	1,199	49,015	-47,816
CBOB	43,641	7,184	36,457	11,098	3,446	7,652	1,024	47,821	-46,797
GTAB	0	0	-	-	-	-	-	-	-
Other	135	68	67	1,059	107	952	175	1,194	-1,019
Renewable Fuels	10,362	0	10,362	45	19,835	-19,789	5,310	759	4,551
Fuel Ethanol	10,221	0	10,221	0	19,355	-19,355	5,230	494	4,736
Renewable Diesel Fuel <sup>1</sup>	141	0	141	45	480	-435	80	266	-185
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	6,483	165	6,318	1,867	573	1,294	222	7,837	-7,615
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	-	-	-	-	-	-
Conventional	6,483	165	6,318	1,867	573	1,294	222	7,837	-7,615
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	6,483	165	6,318	1,867	573	1,294	222	7,837	-7,615
Finished Aviation Gasoline	372	0	372	86	0	86	0	458	-458
Kerosene-Type Jet Fuel	14,747	215	14,532	1,906	808	1,098	18	16,582	-16,564
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,024	2,632	22,392	8,513	2,227	6,286	985	30,747	-29,762
15 ppm sulfur and under	23,103	2,632	20,471	8,322	2,227	6,095	985	28,635	-27,650
Greater than 15 ppm to 500 ppm sulfur	424	0	424	144	0	144	0	568	-568
Greater than 500 ppm sulfur	1,497	0	1,497	47	0	47	0	1,544	-1,544
Residual Fuel Oil	0	0	-	0	859	-859	859	0	859
Petrochemical Feedstocks	0	18	-18	18	79	-61	79	0	79
Naphtha for Petrochemical Feedstock Use	0	0	-	0	79	-79	79	0	79
Other Oils for Petrochemical Feedstock Use	0	18	-18	18	0	18	0	0	-
Special Naphthas	0	0	-	28	0	28	0	28	-28
Lubricants	341	0	341	212	0	212	6	553	-547
Waxes	0	0	-	0	0	-	0	0	-
Asphalt and Road Oil	443	0	443	240	182	58	68	569	-501
Miscellaneous Products	0	0	-	19	0	19	0	19	-19
<b>Total</b>	<b>118,341</b>	<b>14,461</b>	<b>103,880</b>	<b>90,759</b>	<b>100,328</b>	<b>-9,569</b>	<b>68,259</b>	<b>157,642</b>	<b>-89,383</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, August 2016**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>7,441</b>	<b>19,418</b>	<b>-11,977</b>	<b>4,338</b>	<b>0</b>	<b>4,338</b>
<b>Petroleum Products</b> .....	<b>7,128</b>	<b>15,031</b>	<b>-7,903</b>	<b>10,618</b>	<b>6</b>	<b>10,612</b>
Pentanes Plus .....	314	1,865	-1,551	0	0	—
Liquefied Petroleum Gases .....	3,330	10,936	-7,606	0	0	—
Ethane/Ethylene .....	1,005	2,554	-1,549	0	0	—
Propane/Propylene .....	1,508	5,286	-3,778	0	0	—
Normal Butane/Butylene .....	603	2,024	-1,421	0	0	—
Isobutane/Isobutylene .....	214	1,072	-858	0	0	—
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,453	1,058	395	4,580	0	4,580
Reformulated - RBOB .....	—	—	—	2,287	0	2,287
Conventional .....	1,453	1,058	395	2,293	0	2,293
CBOB .....	1,453	1,058	395	2,293	0	2,293
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	0	—
Renewable Fuels .....	474	0	474	4,402	0	4,402
Fuel Ethanol .....	374	0	374	4,023	0	4,023
Renewable Diesel Fuel <sup>1</sup> .....	100	0	100	379	0	379
Other Renewable Fuels .....	—	—	—	0	0	—
Finished Motor Gasoline .....	300	550	-250	253	0	253
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	300	550	-250	253	0	253
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	300	550	-250	253	0	253
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	714	36	678	256	0	256
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	543	586	-43	1,127	0	1,127
15 ppm sulfur and under .....	543	586	-43	1,127	0	1,127
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	6	-6
Waxes .....	0	0	—	0	0	—
Asphalt and Road Oil .....	0	0	—	0	0	—
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>14,569</b>	<b>34,449</b>	<b>-19,879</b>	<b>14,957</b>	<b>6</b>	<b>14,951</b>

— = No Data Reported.

Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

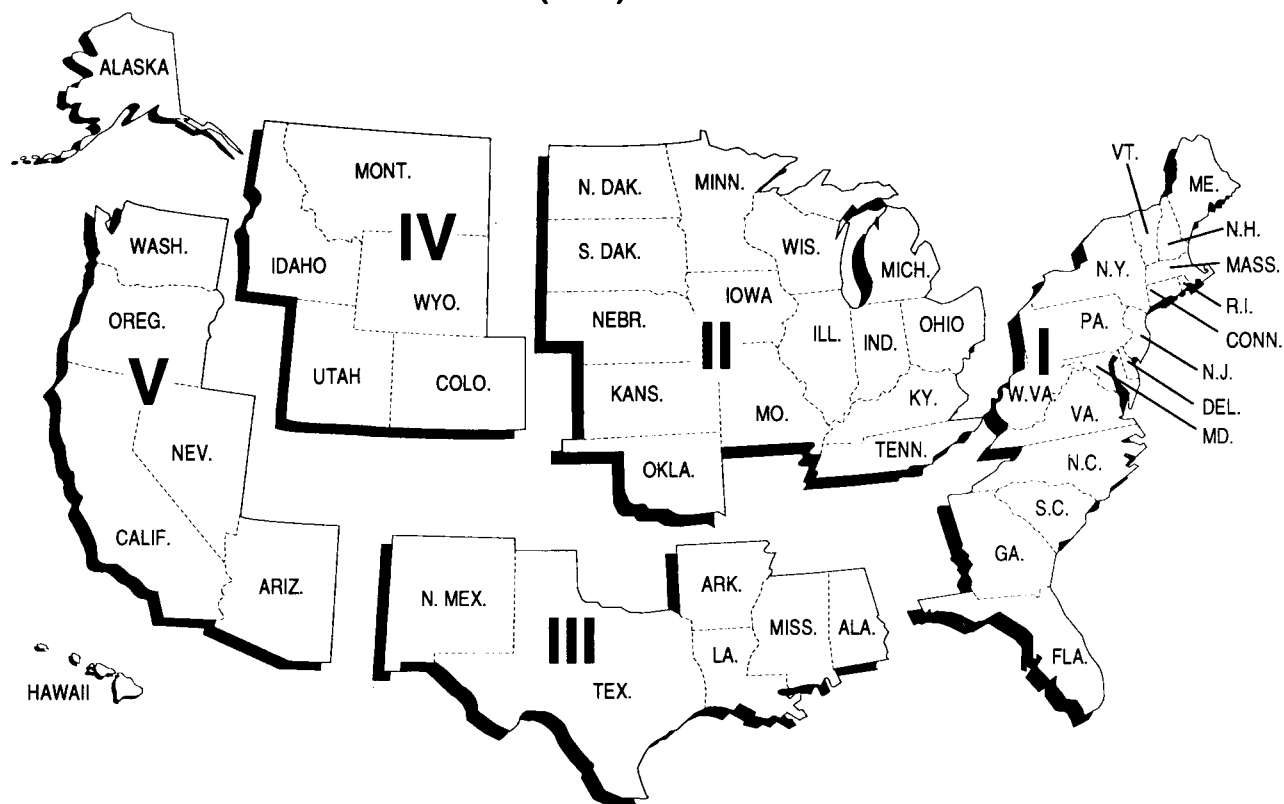
### PAD District IV

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

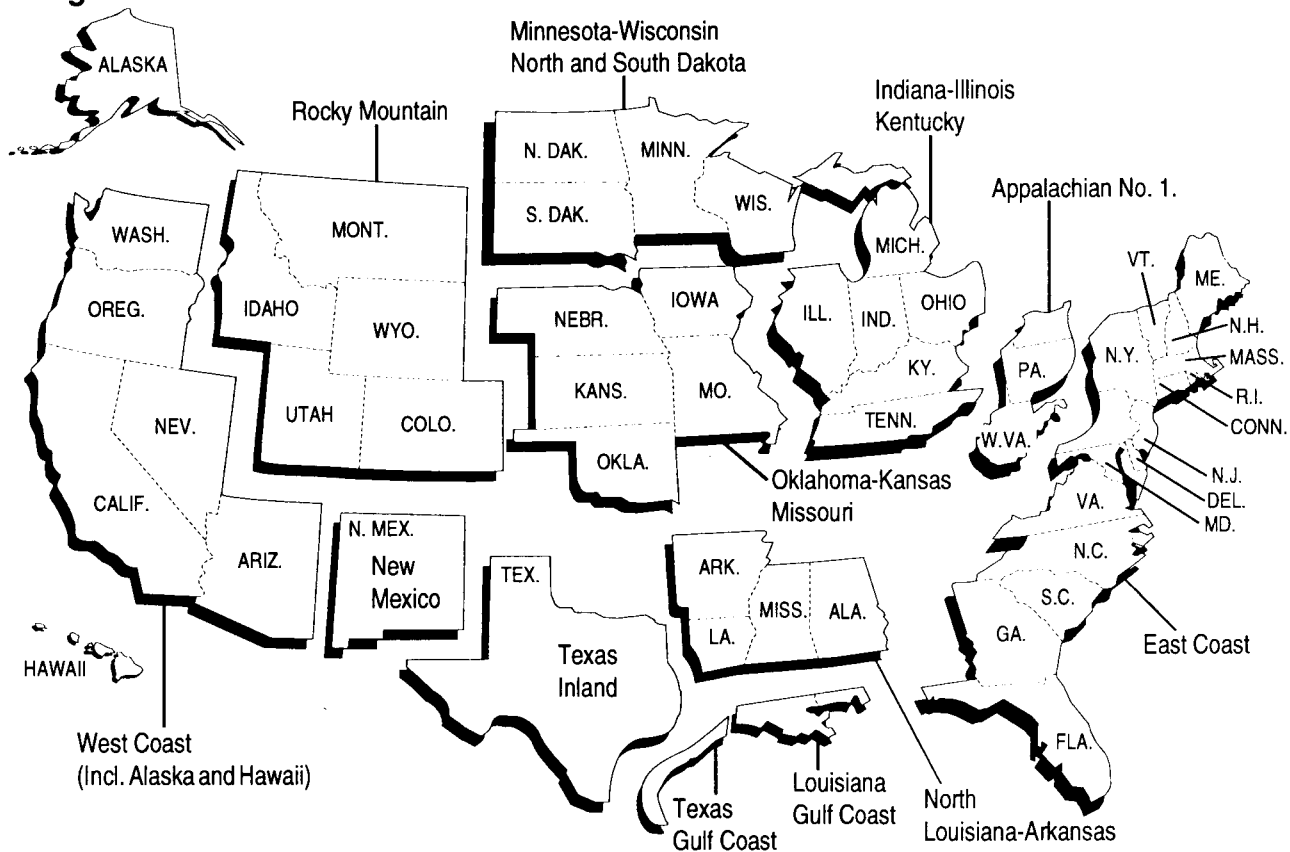
### PAD District V

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## PSM Explanatory Notes

### Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.



## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

#### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the *PSM* are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the *PSM* at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

#### C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

##### (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

## (2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbbbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm)  
[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)  
[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbbbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm)

## 2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-801, "Weekly Bulk Terminal Report,"
3. EIA-802, "Weekly Product Pipeline Report,"
4. EIA-803, "Weekly Crude Oil Stocks Report,"
5. EIA-804, "Weekly Imports Report,"
6. EIA-805, "Weekly Terminal Blender Report,"
7. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"
17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: [http://www.eia.doe.gov/oil\\_gas/petroleum/survey\\_forms/pet\\_survey\\_forms.html](http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html)

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts are not included. Crude oil storage capacity of tank farms is

collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify

new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal

is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Oxygenate Report" include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

### (3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may

result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

### (6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, "Comparison of Independent Statistics on Petroleum Supply." Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

### (7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA's petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

### (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

### (3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, and biodiesel moving by railroad is calculated using several data sources including Waybill sample data from the Surface Transportation Board, data from the National Energy Board of Canada, data in EIA’s Oil and Gas Supply Module within the National Energy Modeling system for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, and biodiesel by rail are based on EIA analysis of carload data from the U.S. Surface Transportation Board (STB) Carload Waybill Sample (CWS). Additional data from the National Energy Board of Canada, the Oil and Gas Supply Module of the EIA National Energy Modeling System, and EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol and biodiesel are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, crude oil, ethanol, and biodiesel movements by rail reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled by predicting recent-month rail movements based on historical correlations of rail movements derived from actual carload data with other regional supply data either collected by EIA or from other sources including field production, imports, refinery and blender inputs, movements other than rail, exports and supply adjustments.

Estimates of crude oil movements by rail are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components

adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel

ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production



and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels

except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to

total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

## 3. Quality

### A. General Discussion

#### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

#### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

#### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

#### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

## **B. Data Assessment**

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### **4. Provisions Regarding Disclosure of Information**

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	85
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

# Definitions of Petroleum Products and Other Terms

(Revised May 2010)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling



range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present). Countries no longer members of OPEC include Gabon (1975-1994) and Indonesia (1962-2008, and 2016-present).

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

**Other Oils Equal To or Greater Than 401° F.** See **Petrochemical Feedstocks**.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See **Motor Gasoline (Finished)**.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0

percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including

interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts;

from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes

all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.